

**Shri Shivaji Education Society Amravati's
Science College Congress Nagar Nagpur
Bachelor of Science (B. Sc.) (Semester-I) Examination
MATHEMATICS
Paper-I Unit Test I**

Time: OneHours]

[Maximum Marks: 20

N.B. :- Solve all questions, Each questions carry equal marks.

(A) Find the rank of the matrix A by reducing it into normal form, where:

$$A = \begin{bmatrix} 0 & 1 & 2 & -2 \\ 4 & 0 & 2 & 6 \\ 2 & 1 & 3 & 1 \end{bmatrix}$$

5

(B) Solve completely the following system of equations:

5

$$\begin{aligned} 2w + 3x - y - z &= 0 \\ 4w - 6x - 2y + 2z &= 0 \\ -6w + 12x + 3y - 4z &= 0 \end{aligned}$$

(C) Verify that the matrix satisfies Caley –Hamilton theorem and find

A^{-1} if

$$A = \begin{bmatrix} 1 & 4 \\ 2 & 3 \end{bmatrix}$$

Also, express $A^5 - 4A^4 - 7A^3 + 11A^2 - A - 10I$ as a linear polynomial in A .

5

(D) Find the eigen values and corresponding eigen vectors of the matrix:

$$A = \begin{bmatrix} 0 & 2 & 0 \\ 2 & 0 & 2 \\ 0 & 2 & 0 \end{bmatrix} 5$$



Name of Teacher



Head of Department

HEAD
Department of Mathematics
Science College Congress Nagar
NAGPUR.

**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Mathematics

B. Sc. I Semester-I (2023-24)

Result of unit test held on 4th/Oct/ 2023

Mathematics Paper - I

Name of teacher: Prof. Kalpana Pawar

Batch M-1(PCM)			
Sr. No.	Name of the student		Mark out of 20
1	Ku	AIDBAN ANUSHKA MANISH	11
2	Ku	BANAIT PRACHI BABURAO	12
3	Ku	CHAMALWAR PREET RAVINDRA	AA
4		CHAUHAN KASHISH RAMVEER	11
5	Ku	DESHBHRATAR MANASVI MANOJ	5
6		DIGHORE KARTIK GANESH	12
7	Ku	GAVHADE DRUTI WAMAN	14
8	Ku	GAIDHANE MEGHANA KISHOR	11
9	Ku	KARANDE DHARINI SHYAM	0
10		KATARE ANJESH MUKESH	20
11		KHADSE PRANAY RAMESH	9
12		KHAIRKAR ANIMESH PAWAN	AA
13	Ku	KHARAT KRUNALI SURESH	AA
14	Ku	KUHIKE DARSHANA HIRALAL	12
15		MANKAR PRAJWAL VINOD	19
16	Ku	MASKE HIMANI DHARMENDRA	11

17	Ku	KHANDARE MANSI NIKESH	2
Batch M-2(PCM)			
Sr. No.	Name of the student		Mark out of 20
1	Ku	NARNAWARE ANUSHKA PRAMOD	AA
2	Ku	PANDEY ANCHAL KEDARNATH	19
3	Ku	PRADHAN RAJESHWARI ABANIKANT	15
4		RAHANGDALE PRALHAD BHUMESH	5
5	Ku	RAUT RASIKA SACHIN	20
6	Ku	RAUT SHREYA PRADIP	10
7	Ku	SANGEWAR ADITI MAHESH	2
8	Ku	SATARE KALYANI GAJANAN	11
9	Ku	SINGH PRIYA KUMARI SANTOSH	15
10	Ku	SUKHADEVE JIYA ISHWAR	AA
11		TIRPUDE PRASHIK DEWANAND	20
12	Ku	WADHIVE JANHAVI VASANTA	16
13		WANDHE HIMANSHU DINESH	10
14		WANKHADE MRUNAL SUNIL	3
15	Ku	YADAV ANJALI RAJESH	19
16	Ku	ZATALE MONA VIJAY	AA
Batch - M3/M4 (PEM)			
Sr. No.	Name of the student		Mark out of 20
1	Ku	BHAGAT KHUSHI DINESH	12
2		BILKAR KAUSHAL SITARAM	14
3		CHAUHAN AKSHAD SHASHIKANT	16
4	Ku	JAKKANWAR JANHAVI PRAFUL	AA
5	Ku	KHOBRADE SHRUTI YOGESH	20
6	Ku	MISHRA SHIVANI NAGENDRA	5
7		SHARMA ANUGRAH ANIL	AA

8		SONEKAR ADITYA SUBASH	10
9		SURVE AADARSH SIDDHARTH	11
10		UIKEY GAURAV ASHOKRAO	13
Batch M-6(PCSM)			
Sr. No.		Name of the student	Mark out of 20
1		AMBEDARE PRADUTT SANJAY	AA
2	Ku	BADANE HARSHADA BANDU	15
3	Ku	BAIRAGI JAGRUTI PRAHLAD	11
4		BANDHATE AYUSH DEEPAK	20
5		BARSAGADE AYUSH HANSDAS	13
6	Ku	BAWANKAR MADHURI DURYODHAN	16
7	Ku	BHAGAT TANUSHKA MANOJ	2
8	Ku	BHAKARE GAURI DILIP	15
9	Ku	BHARAMBE SAMIKSHA SOPAN	14
10		CHOPDE VANSI TARACHAND	20
11		DARVEKAR KHUSHAL GAJANAN	15
12	Ku	DAWARE DIVYANI GAJENDRA	12
13	Ku	DEHARIYA BHAVNA DASHARAM	6
14	Ku	DESHMUKH TOSHAN NITIN	10
15	Ku	GAIDHANE PUNAM SUNIL	14
16	Ku	GANGBOIR DEEPA RAJKUMAR	5
17		GAWDE SHIRISH RAINU	AA
18	Ku	GAJBHIYE AATMA VITHOBA	12
19	Ku	HARGUDE RUDRAYANI SANJAY	07
20	Ku	HATWAR TRUPTI ARUN	10
21		HATTEWAR YASH SHARAD	AA
22		INDURKAR VIVEK VILAS	12
23	Ku	KARDE JATIN PURUSHOTTAM	14
24	Ku	KOLARKAR RASHIKA RISHIKESH	AA

Batch M-7(PCSM)

Sr. No.	Name of the student		Mark out of 20
1	Ku	KHANDARE SAYONI UMESH	AA
2	Ku	KULSANGE PRIYANKA RUSHI	15
3	Ku	MADAVI TWINKLE BHASKER	12
4	Ku	MANMODE VIDYA OMKAR	8
5	Ku	MASRAM TANAY DILIP	AA
6		MATHANKAR SANKET RAJENDRA	11
7	Ku	MEHAR SHRUTI GEJRAJ	14
8		MENDHE SAHIL JITENDRA	20
9	Ku	NANDANWAR PRACHI GAGAN	2
10	Ku	NEWARE ANJALI MAROTI	AA
11		NEMAD SIDDHESH RAVI	11
12		PAWAR AKASH ANTIRAM	19
13	Ku	RAJPUT KHUSHI SHARDASINGH	12
14	Ku	RAMTEKE PRATIKSHA RAJESH	15
15	Ku	RANGARI SHITAL BHAGWAN	AA
16		RAUT RITIK RAVINDRA	10
17	Ku	SAHARE YOGITA MURLIDHAR	AA
18	Ku	SAKHARE ANTARA SHAILESH	11
19	Ku	SARKAR RITIK GAURANG	19
20	Ku	SHENDE SELINA ARJUN	12
21	Ku	TIWARI ANISHA ASHISH	13
22	Ku	UIKEY REETIKA RAVINDRA	15
23		UKEY TANIYA MAHENDRA	AA
24		VARPATKAR SANIKA GAJANAN	4
25		VISHWAKARMA SHEELA SUDARSHAN	5
26	Ku	WATKAR DIVYA VINODRAO	9
27		WARKE KRANTISURYA DHAMMAPAL	AA

Batch M-8(SCSM)			
Sr. No.	Name of the student		Mark out of 20
1	Ku	BAGLE PAYAL DHARMPAL	AA
2		CHAHANDE SASANT ANUP	11
3	Ku	DAHAKA MAYURI DEVENDRA	16
4	Ku	GUPTA PAYAL RAJESH	20
5	Ku	KAZI FIRDOSH SHARIF	14
6	Ku	KUMRE BHAGYASHRI CHANDRASHEKHAR	12
7		KUMRE NIKHIL BABURAO	AA
8	Ku	LAKHOTE NEHARIKA RAJU	13
9		MANDWE ADARSH HIMMAT	15
10	Ku	MANGAM YUKTA DILIPRAO	20
11	Ku	MANWATKAR SAMIKSHA RAVI	18
12	Ku	MESHARAM SHRUTI PRASANJEET	5
13	Ku	MISHRA SONU MAHESH	10
14	Ku	MURADE AYASHA RAJU	13
15	Ku	NAGALWADE MEGHA MUNNAJI	AA
Batch M-9(SCSM)			
Sr. No.	Name of the student		Mark out of 20
1	Ku	PAL SAKSHI AKHILESH	AA
2	Ku	PARIHAR MANIKA DILIPSINGH	14
3		PARSHIONIKAR HEMANSHU VINOD	11
4	Ku	PILLARE PRANALI DEVIDAS	20
5		PUJARI SARVESH SAMIR	9
6	Ku	RAMTEKE PRAJAKTA SANDESH	19
7	Ku	RAUT AARTI BALKRISHNA	15
8	Ku	RAUT MAYURI ASHOK	11
9	Ku	RAUT NAMRATA NARESH	2

10	Ku	SHEIKH ROZINA ZAKIR HUSSAIN	16
11		SINGH ABHAY RAJVENDRA	11
12	Ku	SURKAR BHAGYASHRI NARENDRA	AA
13		TAMBDE SOHAM VILIN	AA
14	Ku	TARAR ADITI VINOD	18
15	Ku	VAIDYA SRUSHTI JAGDISH	12
16		WADEKAR AKSHAY BABA	11

Batch M-10(ECSM)

Sr. No.		Name of the student	Mark out of 20
1		AHIRWAR AJAY BHAGWANDAS	AA
2		ANKAR SANKET BHASKAR	14
3	Ku	BAGDE KAZANLI PRADIP	15
4	Ku	BARSAGADE BHAGYASHRI PRASHANT	11
5	Ku	BHELWA DISHA INDAL	AA
6	Ku	CHOUDHARI TULSI KEWALRAM	20
7		DAMAHE HIMANSHU GHANSHYAM	12
8		DANDALE SURAJ GAJANANRAO	5
9		FRANSWAH OSCAR ALYOSIS	15
10		GAJBHIYE SAMYAK VINOD	12
11		GHODMARE BHAVESH KRISHNAJI	6
12	Ku	GUHE KASTURI ASHISH	19
13	Ku	HUMANE TRUPTI SACHIN	14
14		KAKDE GAURAV DEVMAN	4
15	Ku	KAWARE RUTVIK PRABHAKAR	12
16	Ku	KOHALE NANDINI VIJAY	16
17		NIMJE HRUSHANG RAVINDRA	12
18	Ku	PADOLE LAVANYA DATTU	AA
19	Ku	QAZI HUZAIFUDDIN SOHEBUDDIN	13
20		RANE HIMANSHU ARUN	10

21	Ku	SAHU PORNIMA JAYLAL	19
22		SAKHARKAR OM VITTHAL	14
23		SANTOSHWAR YASH SUDHIR	AA
24	Ku	SHIVANKAR DEVYANI SATISH	14
25	Ku	TIWARI ANCHAL RAMSUSHIL	11
26	Ku	TIWARI PRIYANSHU BALANDAR	14
27		VIRDI HARSHNEET KAUR JASPAL SINGH VIRDI	2
28		NIMJE HRUSHANG RAVINDRA	11
29	Ku	PADOLE LAVANYA DATTU	AA
30	Ku	QAZI HUZAIFUDDIN SOHEBUDDIN	12
31		RANE HIMANSHU ARUN	11
Batch G-1(CGM)			
Sr. No.		Name of the student	Mark out of 20
1	Ku	BANKAR SHRUTI WAMAN	12
2		MANKAR KASHISH SHANKAR	1
3	Ku	RAJPUT RIDDHI BHAIYALAL	11
4	Ku	RAUT PRADNYA SURESH	10
5		SHRIVASTAV ARYAMAN MANOJ	20
6	Ku	THAWARE BHUMIKA RAVINDRA	14
7	Ku	YELNE TANUSHREE DEVANAND	AA
8	Ku	BANKAR SHRUTI WAMAN	17



Name of Teacher





Head of Department

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**Shri Shivaji Education Society Amravati's
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Bachelor of Science (B. Sc.) (Semester-I) Examination
MATHEMATICS
Paper-I Unit Test II**

Time: OneHours]

[Maximum Marks: 20

N.B. :- Solve all questions, Each questions carry equal marks.

1.(A) Solve the equation $8x^4 - 2x^3 - 27x^2 + 6x + 9 = 0$, given that two of its roots being equal but opposite in sign. 5

(B) Solve the reciprocal equation $x^4 - 10x^3 + 26x^2 - 10x + 1 = 0$ by reducing it to the Standard form. 5

(C) Find the sum of the fourth powers of the roots of $x^3 + qx + r = 0$ 5

(D) Solve the equation $x^3 - 15x = 126$ by Cardan Method. 5



Name of Teacher





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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Mathematics

B. Sc. I Semester-I (2023-24)

Result of unit test held on 25/10/23

Mathematics Paper – I

Name of teacher: Priti Nandeshwar

Batch M-1(PCM)			
Sr. No.	Name of the student		Mark out of 20
1	Ku	AIDBAN ANUSHKA MANISH	12
2	Ku	BANAIT PRACHI BABURAO	11
3	Ku	CHAMALWAR PREET RAVINDRA	5
4		CHAUHAN KASHISH RAMVEER	12
5	Ku	DESHBHRATAR MANASVI MANOJ	14
6		DIGHORE KARTIK GANESH	11
7	Ku	GAVHADE DRUTI WAMAN	0
8	Ku	GAIDHANE MEGHANA KISHOR	20
9	Ku	KARANDE DHARINI SHYAM	9
10		KATARE ANJESH MUKESH	AA
11		KHADSE PRANAY RAMESH	11
12		KHAIRKAR ANIMESH PAWAN	5
13	Ku	KHARAT KRUNALI SURESH	12
14	Ku	KUHIKE DARSHANA HIRALAL	14
15		MANKAR PRAJWAL VINOD	11
16	Ku	MASKE HIMANI DHARMENDRA	0
17	Ku	KHANDARE MANSI NIKESH	20
Batch M-2(PCM)			
Sr. No.	Name of the student		Mark out of 20
1	Ku	NARNAWARE ANUSHKA PRAMOD	10
2	Ku	PANDEY ANCHAL KEDARNATH	11
3	Ku	PRADHAN RAJESHWARI ABANIKANT	13

4		RAHANGDALE PRALHAD BHUMESH	2
5	Ku	RAUT RASIKA SACHIN	20
6	Ku	RAUT SHREYA PRADIP	12
7	Ku	SANGEWAR ADITI MAHESH	6
8	Ku	SATARE KALYANI GAJANAN	16
9	Ku	SINGH PRIYA KUMARI SANTOSH	15
10	Ku	SUKHADEVE JIYA ISHWAR	AA
11		TIRPUDE PRASHIK DEWANAND	20
12	Ku	WADHIVE JANHAVI VASANTA	16
13		WANDHE HIMANSHU DINESH	10
14		WANKHADE MRUNAL SUNIL	3
15	Ku	YADAV ANJALI RAJESH	19
16	Ku	ZATALE MONA VIJAY	AA

Batch - M3/M4 (PEM)

Sr. No.	Name of the student		Mark out of 20
1	Ku	BHAGAT KHUSHI DINESH	12
2		BILKAR KAUSHAL SITARAM	14
3		CHAUHAN AKSHAD SHASHIKANT	16
4	Ku	JAKKANWAR JANHAVI PRAFUL	10
5	Ku	KHOBRADE SHRUTI YOGESH	11
6	Ku	MISHRA SHIVANI NAGENDRA	13
7		SHARMA ANUGRAH ANIL	2
8		SONEKAR ADITYA SUBASH	20
9		SURVE AADARSH SIDDHARTH	12
10		UIKEY GAURAV ASHOKRAO	6

Batch M-6(PCSM)

Sr. No.	Name of the student		Mark out of 20
1		AMBEDARE PRADUTT SANJAY	20
2	Ku	BADANE HARSHADA BANDU	12
3	Ku	BAIRAGI JAGRUTI PRAHLAD	6

4		BANDHATE AYUSH DEEPAK	16
5		BARSAGADE AYUSH HANSDAS	20
6	Ku	BAWANKAR MADHURI DURYODHAN	12
7	Ku	BHAGAT TANUSHKA MANOJ	6
8	Ku	BHAKARE GAURI DILIP	16
9	Ku	BHARAMBE SAMIKSHA SOPAN	14
10		CHOPDE VANSH TARACHAND	20
11		DARVEKAR KHUSHAL GAJANAN	15
12	Ku	DAWARE DIVYANI GAJENDRA	12
13	Ku	DEHARIYA BHAVNA DASHARAM	6
14	Ku	DESHMUKH TOSHAN NITIN	10
15	Ku	GAIDHANE PUNAM SUNIL	14
16	Ku	GANGBOIR DEEPA RAJKUMAR	5
17		GAWDE SHIRISH RAINU	AA
18	Ku	GAJBHIYE AATMA VITHOBA	12
19	Ku	HARGUDE RUDRAYANI SANJAY	20
20	Ku	HATWAR TRUPTI ARUN	12
21		HATTEWAR YASH SHARAD	6
22		INDURKAR VIVEK VILAS	16
23	Ku	KARDE JATIN PURUSHOTTAM	20
24	Ku	KOLARKAR RASHIKA RISHIKESH	12
25		AMBEDARE PRADUTT SANJAY	6
26	Ku	BADANE HARSHADA BANDU	20
27	Ku	BAIRAGI JAGRUTI PRAHLAD	12
Batch M-7(PCSM)			
Sr. No.		Name of the student	Mark out of 20
1	Ku	KHANDARE SAYONI UMESH	AA
2	Ku	KULSANGE PRIYANKA RUSHI	15
3	Ku	MADAVI TWINKLE BHASKER	12
4	Ku	MANMODE VIDYA OMKAR	8

5	Ku	MASRAM TANAY DILIP	20
6		MATHANKAR SANKET RAJENDRA	12
7	Ku	MEHAR SHRUTI GEJRAJ	6
8		MENDHE SAHIL JITENDRA	16
9	Ku	NANDANWAR PRACHI GAGAN	20
10	Ku	NEWARE ANJALI MAROTI	12
11		NEMAD SIDDHESH RAVI	6
12		PAWAR AKASH ANTIRAM	16
13	Ku	RAJPUT KHUSHI SHARDASINGH	12
14	Ku	RAMTEKE PRATIKSHA RAJESH	15
15	Ku	RANGARI SHITAL BHAGWAN	AA
16		RAUT RITIK RAVINDRA	10
17	Ku	SAHARE YOGITA MURLIDHAR	20
18	Ku	SAKHARE ANTARA SHAILESH	12
19	Ku	SARKAR RITIK GAURANG	6
20	Ku	SHENDE SELINA ARJUN	16
21	Ku	TIWARI ANISHA ASHISH	12
22	Ku	UIKEY REETIKA RAVINDRA	15
23		UKEY TANIYA MAHENDRA	AA
24		VARPATKAR SANIKA GAJANAN	10
25		VISHWAKARMA SHEELA SUDARSHAN	20
26	Ku	WATKAR DIVYA VINODRAO	AA
27		WARKE KRANTISURYA DHAMMAPAL	8

Batch M-8(SCSM)

Sr. No.	Name of the student		Mark out of 20
1	Ku	BAGLE PAYAL DHARMPAL	AA
2		CHAHANDE SASANT ANUP	11
3	Ku	DAHAKA MAYURI DEVENDRA	16
4	Ku	GUPTA PAYAL RAJESH	20
5	Ku	KAZI FIRDOSH SHARIF	14

6	Ku	KUMRE BHAGYASHRI CHANDRASHEKHAR	12
7		KUMRE NIKHIL BABURAO	20
8	Ku	LAKHOTE NEHARIKA RAJU	12
9		MANDWE ADARSH HIMMAT	6
10	Ku	MANGAM YUKTA DILIPRAO	16
11	Ku	MANWATKAR SAMIKSHA RAVI	20
12	Ku	MESHARAM SHRUTI PRASANJEET	17
13	Ku	MISHRA SONU MAHESH	20
14	Ku	MURADE AYASHA RAJU	12
15	Ku	NAGALWADE MEGHA MUNNAJI	11

Batch M-9(SCSM)

Sr. No.	Name of the student		Mark out of 20
1	Ku	PAL SAKSHI AKHILESH	AA
2	Ku	PARIHAR MANIKA DILIPSINGH	14
3		PARSHIONIKAR HEMANSHU VINOD	11
4	Ku	PILLARE PRANALI DEVIDAS	20
5		PUJARI SARVESH SAMIR	9
6	Ku	RAMTEKE PRAJAKTA SANDESH	19
7	Ku	RAUT AARTI BALKRISHNA	15
8	Ku	RAUT MAYURI ASHOK	11
9	Ku	RAUT NAMRATA NARESH	17
10	Ku	SHEIKH ROZINA ZAKIR HUSSAIN	20
11		SINGH ABHAY RAJVENDRA	12
12	Ku	SURKAR BHAGYASHRI NARENDRA	11
13		TAMBDE SOHAM VILIN	14
14	Ku	TARAR ADITI VINOD	15
15	Ku	VAIDYA SRUSHTI JAGDISH	12
16		WADEKAR AKSHAY BABA	11

Batch M-10(ECSM)

Sr. No.	Name of the student		Mark out of 20
1		AHIRWAR AJAY BHAGWANDAS	AA

2		ANKAR SANKET BHASKAR	14
3	Ku	BAGDE KAZANLI PRADIP	15
4	Ku	BARSAGADE BHAGYASHRI PRASHANT	11
5	Ku	BHELWA DISHA INDAL	AA
6	Ku	CHOUDHARI TULSI KEWALRAM	20
7		DAMAHE HIMANSHU GHANSHYAM	12
8		DANDALE SURAJ GAJANANRAO	5
9		FRANSWAH OSCAR ALYOSIS	15
10		GAJBHIYE SAMYAK VINOD	12
11		GHODMARE BHAVESH KRISHNAJI	6
12	Ku	GUHE KASTURI ASHISH	19
13	Ku	HUMANE TRUPTI SACHIN	14
14		KAKDE GAURAV DEVMAN	4
15	Ku	KAWARE RUTVIK PRABHAKAR	12
16	Ku	KOHALE NANDINI VIJAY	16
17		NIMJE HRUSHANG RAVINDRA	12
18	Ku	PADOLE LAVANYA DATTU	AA
19	Ku	QAZI HUZAIFUDDIN SOHEBUDDIN	13
20		RANE HIMANSHU ARUN	10
21	Ku	SAHU PORNIMA JAYLAL	19
22		SAKHARKAR OM VITTHAL	
23		SANTOSHWAR YASH SUDHIR	20
24	Ku	SHIVANKAR DEVYANI SATISH	12
25	Ku	TIWARI ANCHAL RAMSUSHIL	11
26	Ku	TIWARI PRIYANSHU BALANDAR	14
27		VIRDI HARSHNEET KAUR JASPAL SINGH VIRDI	15
28		NIMJE HRUSHANG RAVINDRA	11
29	Ku	PADOLE LAVANYA DATTU	AA
30	Ku	QAZI HUZAIFUDDIN SOHEBUDDIN	12

31		RANE HIMANSHU ARUN	11
Batch G-1(CGM)			
Sr. No.	Name of the student		Mark out of 20
1	Ku	BANKAR SHRUTI WAMAN	12
2		MANKAR KASHISH SHANKAR	1
3	Ku	RAJPUT RIDDHI BHAIYALAL	11
4	Ku	RAUT PRADNYA SURESH	10
5		SHRIVASTAV ARYAMAN MANOJ	20
6	Ku	THAWARE BHUMIKA RAVINDRA	14
7	Ku	YELNE TANUSHREE DEVANAND	AA
8	Ku	BANKAR SHRUTI WAMAN	17

[Handwritten Signature]

Name of Teacher



[Handwritten Signature]

HEAD
Department of Mathematics
Science College, Congress Nagar,
NAGPUR,
 Head of Department

**Shri Shivaji Education Society Amravati's
Science College Congress Nagar Nagpur
Bachelor of Science (B. Sc.) (Semester-I) Examination
MATHEMATICS
Paper-II Unit Test I**

Time: OneHours]

[Maximum Marks: 20

N.B. :- Solve all questions, Each questions carry equal marks.

1. (A) If u and v be two functions of x possessing derivatives of the n^{th} order, then prove that

$$(u.v)_n = u_n.v + {}^n C_1 u_{n-1} v_1 + {}^n C_2 u_{n-2} v_2 + \dots + {}^n C_r u_{n-r} v_r + \dots + {}^n C_n u.v_n. \quad 5$$

(B) Expand e^x by Maclaurin's series. 5

(C) Evaluate: (i) $\lim_{x \rightarrow 0} (x \log x)$ (ii) $\lim_{x \rightarrow 0} (\sin x)^x$ 5

(D) If $\cos^{-1}\left(\frac{y}{b}\right) = \log\left(\frac{x}{n}\right)^n$ then prove that $x^2 y_{n+2} + (2n+1)xy_{n+1} + 2n^2 y_n = 0$



Name of Teacher




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Department of Mathematics

B. Sc. I Semester-I (2023-24)

Result of unit test held on 5/10/23

Mathematics Paper – II

Name of teacher: Prof. Kalpana Pawar

Batch M-1(PCM)			
Sr. No.	Name of the student		Mark out of 20
1	Ku	AIDBAN ANUSHKA MANISH	11
2	Ku	BANAIT PRACHI BABURAO	16
3	Ku	CHAMALWAR PREET RAVINDRA	20
4		CHAUHAN KASHISH RAMVEER	14
5	Ku	DESHBHRATAR MANASVI MANOJ	12
6		DIGHORE KARTIK GANESH	15
7	Ku	GAVHADE DRUTI WAMAN	11
8	Ku	GAIDHANE MEGHANA KISHOR	20
9	Ku	KARANDE DHARINI SHYAM	13
10		KATARE ANJESH MUKESH	16
11		KHADSE PRANAY RAMESH	2
12		KHAIRKAR ANIMESH PAWAN	15
13	Ku	KHARAT KRUNALI SURESH	14
14	Ku	KUHIKE DARSHANA HIRALAL	20
15		MANKAR PRAJWAL VINOD	15
16	Ku	MASKE HIMANI DHARMENDRA	11
17	Ku	KHANDARE MANSI NIKESH	2
Batch M-2(PCM)			
Sr. No.	Name of the student		Mark out of 20
1	Ku	NARNAWARE ANUSHKA PRAMOD	11
2	Ku	PANDEY ANCHAL KEDARNATH	16
3	Ku	PRADHAN RAJESHWARI ABANIKANT	20

4		RAHANGDALE PRALHAD BHUMESH	14
5	Ku	RAUT RASIKA SACHIN	12
6	Ku	RAUT SHREYA PRADIP	15
7	Ku	SANGEWAR ADITI MAHESH	11
8	Ku	SATARE KALYANI GAJANAN	20
9	Ku	SINGH PRIYA KUMARI SANTOSH	13
10	Ku	SUKHADEVE JIYA ISHWAR	16
11		TIRPUDE PRASHIK DEWANAND	2
12	Ku	WADHIVE JANHAVI VASANTA	15
13		WANDHE HIMANSHU DINESH	14
14		WANKHADE MRUNAL SUNIL	20
15	Ku	YADAV ANJALI RAJESH	15
16	Ku	ZATALE MONA VIJAY	AA

Batch - M3/M4 (PEM)

Sr. No.	Name of the student		Mark out of 20
1	Ku	BHAGAT KHUSHI DINESH	12
2		BILKAR KAUSHAL SITARAM	14
3		CHAUHAN AKSHAD SHASHIKANT	16
4	Ku	JAKKANWAR JANHAVI PRAFUL	16
5	Ku	KHOBRADE SHRUTI YOGESH	20
6	Ku	MISHRA SHIVANI NAGENDRA	14
7		SHARMA ANUGRAH ANIL	12
8		SONEKAR ADITYA SUBASH	15
9		SURVE AADARSH SIDDHARTH	11
10		UIKEY GAURAV ASHOKRAO	20

Batch M-6 (PCSM)

Sr. No.	Name of the student		Mark out of 20
1		AMBEDARE PRADUTT SANJAY	AA
2	Ku	BADANE HARSHADA BANDU	15
3	Ku	BAIRAGI JAGRUTI PRAHLAD	11

4		BANDHATE AYUSH DEEPAK	20
5		BARSAGADE AYUSH HANSDAS	13
6	Ku	BAWANKAR MADHURI DURYODHAN	16
7	Ku	BHAGAT TANUSHKA MANOJ	2
8	Ku	BHAKARE GAURI DILIP	15
9	Ku	BHARAMBE SAMIKSHA SOPAN	14
10		CHOPDE VANSH TARACHAND	20
11		DARVEKAR KHUSHAL GAJANAN	15
12	Ku	DAWARE DIVYANI GAJENDRA	12
13	Ku	DEHARIYA BHAVNA DASHARAM	6
14	Ku	DESHMUKH TOSHAN NITIN	10
15	Ku	GAIDHANE PUNAM SUNIL	14
16	Ku	GANGBOIR DEEPA RAJKUMAR	5
17		GAWDE SHIRISH RAINU	AA
18	Ku	GAJBHIYE AATMA VITHOBA	12
19	Ku	HARGUDE RUDRAYANI SANJAY	AA
20	Ku	HATWAR TRUPTI ARUN	15
21		HATTEWAR YASH SHARAD	11
22		INDURKAR VIVEK VILAS	20
23	Ku	KARDE JATIN PURUSHOTTAM	13
24	Ku	KOLARKAR RASHIKA RISHIKESH	16
25		AMBEDARE PRADUTT SANJAY	2
26	Ku	BADANE HARSHADA BANDU	15
27	Ku	BAIRAGI JAGRUTI PRAHLAD	14

Batch M-7(PCSM)

Sr. No.		Name of the student	Mark out of 20
1	Ku	KHANDARE SAYONI UMESH	AA
2	Ku	KULSANGE PRIYANKA RUSHI	15
3	Ku	MADAVI TWINKLE BHASKER	12
4	Ku	MANMODE VIDYA OMKAR	16

5	Ku	MASRAM TANAY DILIP	20
6		MATHANKAR SANKET RAJENDRA	14
7	Ku	MEHAR SHRUTI GEJRAJ	12
8		MENDHE SAHIL JITENDRA	15
9	Ku	NANDANWAR PRACHI GAGAN	11
10	Ku	NEWARE ANJALI MAROTI	20
11		NEMAD SIDDHESH RAVI	13
12		PAWAR AKASH ANTIRAM	16
13	Ku	RAJPUT KHUSHI SHARDASINGH	2
14	Ku	RAMTEKE PRATIKSHA RAJESH	15
15	Ku	RANGARI SHITAL BHAGWAN	AA
16		RAUT RITIK RAVINDRA	10
17	Ku	SAHARE YOGITA MURLIDHAR	AA
18	Ku	SAKHARE ANTARA SHAILESH	15
19	Ku	SARKAR RITIK GAURANG	12
20	Ku	SHENDE SELINA ARJUN	16
21	Ku	TIWARI ANISHA ASHISH	20
22	Ku	UIKEY REETIKA RAVINDRA	14
23		UKEY TANIYA MAHENDRA	12
24		VARPATKAR SANIKA GAJANAN	15
25		VISHWAKARMA SHEELA SUDARSHAN	11
26	Ku	WATKAR DIVYA VINODRAO	20
27		WARKE KRANTISURYA DHAMMAPAL	13

Batch M-8(SCSM)

Sr. No.	Name of the student		Mark out of 20
1	Ku	BAGLE PAYAL DHARMPAL	AA
2		CHAHANDE SASANT ANUP	11
3	Ku	DAHAKA MAYURI DEVENDRA	16
4	Ku	GUPTA PAYAL RAJESH	20

5	Ku	KAZI FIRDOSH SHARIF	14
6	Ku	KUMRE BHAGYASHRI CHANDRASHEKHAR	12
7		KUMRE NIKHIL BABURAO	AA
8	Ku	LAKHOTE NEHARIKA RAJU	13
9		MANDWE ADARSH HIMMAT	15
10	Ku	MANGAM YUKTA DILIPRAO	20
11	Ku	MANWATKAR SAMIKSHA RAVI	18
12	Ku	MESHARAM SHRUTI PRASANJEET	5
13	Ku	MISHRA SONU MAHESH	10
14	Ku	MURADE AYASHA RAJU	13
15	Ku	NAGALWADE MEGHA MUNNAJI	AA

Batch M-9(SCSM)

Sr. No.	Name of the student		Mark out of 20
1	Ku	PAL SAKSHI AKHILESH	AA
2	Ku	PARIHAR MANIKA DILIPSINGH	14
3		PARSHIONIKAR HEMANSHU VINOD	11
4	Ku	PILLARE PRANALI DEVIDAS	20
5		PUJARI SARVESH SAMIR	9
6	Ku	RAMTEKE PRAJAKTA SANDESH	19
7	Ku	RAUT AARTI BALKRISHNA	15
8	Ku	RAUT MAYURI ASHOK	11
9	Ku	RAUT NAMRATA NARESH	2
10	Ku	SHEIKH ROZINA ZAKIR HUSSAIN	16
11		SINGH ABHAY RAJVENDRA	11
12	Ku	SURKAR BHAGYASHRI NARENDRA	AA
13		TAMBDE SOHAM VILIN	AA
14	Ku	TARAR ADITI VINOD	18
15	Ku	VAIDYA SRUSHTI JAGDISH	12
16		WADEKAR AKSHAY BABA	11

Batch M-10(ECSM)

Sr. No.	Name of the student		Mark out of
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			20
1		AHIRWAR AJAY BHAGWANDAS	AA
2		ANKAR SANKET BHASKAR	14
3	Ku	BAGDE KAZANLI PRADIP	15
4	Ku	BARSAGADE BHAGYASHRI PRASHANT	11
5	Ku	BHELWA DISHA INDAL	AA
6	Ku	CHOUDHARI TULSI KEWALRAM	20
7		DAMAHE HIMANSHU GHANSHYAM	12
8		DANDALE SURAJ GAJANANRAO	5
9		FRANSWAH OSCAR ALYOSIS	15
10		GAJBHIYE SAMYAK VINOD	12
11		GHODMARE BHAVESH KRISHNAJI	6
12	Ku	GUHE KASTURI ASHISH	19
13	Ku	HUMANE TRUPTI SACHIN	14
14		KAKDE GAURAV DEVMAN	4
15	Ku	KAWARE RUTVIK PRABHAKAR	12
16	Ku	KOHALE NANDINI VIJAY	16
17		NIMJE HRUSHANG RAVINDRA	12
18	Ku	PADOLE LAVANYA DATTU	AA
19	Ku	QAZI HUZAIFUDDIN SOHEBUDDIN	13
20		RANE HIMANSHU ARUN	10
21	Ku	SAHU PORNIMA JAYLAL	19
22		SAKHARKAR OM VITTHAL	14
23		SANTOSHWAR YASH SUDHIR	AA
24	Ku	SHIVANKAR DEVYANI SATISH	14
25	Ku	TIWARI ANCHAL RAMSUSHIL	11
26	Ku	TIWARI PRIYANSHU BALANDAR	14
27		VIRDI HARSHNEET KAUR JASPAL SINGH VIRDI	2
28		NIMJE HRUSHANG RAVINDRA	11
29	Ku	PADOLE LAVANYA DATTU	AA

30	Ku	QAZI HUZAIFUDDIN SOHEBUDDIN	12
31		RANE HIMANSHU ARUN	11
Batch G-1(CGM)			
Sr. No.	Name of the student		Mark out of 20
1	Ku	BANKAR SHRUTI WAMAN	12
2		MANKAR KASHISH SHANKAR	1
3	Ku	RAJPUT RIDDHI BHAIYALAL	11
4	Ku	RAUT PRADNYA SURESH	10
5		SHRIVASTAV ARYAMAN MANOJ	20
6	Ku	THAWARE BHUMIKA RAVINDRA	14
7	Ku	YELNE TANUSHREE DEVANAND	AA
8	Ku	BANKAR SHRUTI WAMAN	17



Name of Teacher




Head of Department

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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Bachelor of Science (B. Sc.) (Semester-I) Examination
MATHEMATICS
Paper-II Unit Test II**

Time: OneHours]

[Maximum Marks: 20

N.B. :- Solve all questions, Each questions carry equal marks.


1. (A) If $z = f(x + y)$ is a homogeneous function of x, y degree n , then prove that

$$x \frac{\partial z}{\partial x} + y \frac{\partial z}{\partial y} = nz \text{ and Verify Euler's theorem for } z = ax^2 + 2hxy + by^2 . \quad 5$$


(B) If $z(x + y) = x^2 + y^2$, then prove that $\left(\frac{\partial z}{\partial x} - \frac{\partial z}{\partial y}\right)^2 = 4\left(1 - \frac{\partial z}{\partial x} - \frac{\partial z}{\partial y}\right)$. 5

(C) Find the asymptotes of the curve $y^3 - 6xy^2 + 11x^2y - 6x^3 + x + y = 0$. 5

(D) Find the envelope of the lines $\frac{x}{a} + \frac{y}{b} = 1$, where $ab = c^2$, where c is constant. 5


Name of Teacher




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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Mathematics

B. Sc. I Semester-I (2023-24)

Result of unit test held on 26/10/23

Mathematics Paper – II

Name of teacher: Dr. A.M.Pund

Batch M-1(PCM)			
Sr. No.	Name of the student		Mark out of 20
1	Ku	AIDBAN ANUSHKA MANISH	12
2	Ku	BANAIT PRACHI BABURAO	6
3	Ku	CHAMALWAR PREET RAVINDRA	19
4		CHAUHAN KASHISH RAMVEER	14
5	Ku	DESHBHRATAR MANASVI MANOJ	4
6		DIGHORE KARTIK GANESH	12
7	Ku	GAVHADE DRUTI WAMAN	16
8	Ku	GAIDHANE MEGHANA KISHOR	12
9	Ku	KARANDE DHARINI SHYAM	AA
10		KATARE ANJESH MUKESH	13
11		KHADSE PRANAY RAMESH	10
12		KHAIRKAR ANIMESH PAWAN	19
13	Ku	KHARAT KRUNALI SURESH	17
14	Ku	KUHIKE DARSHANA HIRALAL	20
15		MANKAR PRAJWAL VINOD	12
16	Ku	MASKE HIMANI DHARMENDRA	11
17	Ku	KHANDARE MANSI NIKESH	14
Batch M-2(PCM)			
Sr. No.	Name of the student		Mark out of 20
1	Ku	NARNAWARE ANUSHKA PRAMOD	AA
2	Ku	PANDEY ANCHAL KEDARNATH	19
3	Ku	PRADHAN RAJESHWARI ABANIKANT	15
4		RAHANGDALE PRALHAD BHUMESH	5

5	Ku	RAUT RASIKA SACHIN	20
6	Ku	RAUT SHREYA PRADIP	10
7	Ku	SANGEWAR ADITI MAHESH	2
8	Ku	SATARE KALYANI GAJANAN	11
9	Ku	SINGH PRIYA KUMARI SANTOSH	15
10	Ku	SUKHADEVE JIYA ISHWAR	AA
11		TIRPUDE PRASHIK DEWANAND	20
12	Ku	WADHIVE JANHAVI VASANTA	16
13		WANDHE HIMANSHU DINESH	10
14		WANKHADE MRUNAL SUNIL	3
15	Ku	YADAV ANJALI RAJESH	19
16	Ku	ZATALE MONA VIJAY	AA
Batch - M3/M4 (PEM)			
Sr. No.	Name of the student		Mark out of 20
1	Ku	BHAGAT KHUSHI DINESH	12
2		BILKAR KAUSHAL SITARAM	14
3		CHAUHAN AKSHAD SHASHIKANT	16
4	Ku	JAKKANWAR JANHAVI PRAFUL	AA
5	Ku	KHOBRAGADE SHRUTI YOGESH	20
6	Ku	MISHRA SHIVANI NAGENDRA	5
7		SHARMA ANUGRAH ANIL	16
8		SONEKAR ADITYA SUBASH	12
9		SURVE AADARSH SIDDHARTH	AA
10		UIKEY GAURAV ASHOKRAO	13
Batch M-6 (PCSM)			
Sr. No.	Name of the student		Mark out of 20
1		AMBEDARE PRADUTT SANJAY	AA
2	Ku	BADANE HARSHADA BANDU	15
3	Ku	BAIRAGI JAGRUTI PRAHLAD	11
4		BANDHATE AYUSH DEEPAK	20
5		BARSAGADE AYUSH HANSDAS	13

6	Ku	BAWANKAR MADHURI DURYODHAN	16
7	Ku	BHAGAT TANUSHKA MANOJ	2
8	Ku	BHAKARE GAURI DILIP	15
9	Ku	BHARAMBE SAMIKSHA SOPAN	14
10		CHOPDE VANSH TARACHAND	20
11		DARVEKAR KHUSHAL GAJANAN	15
12	Ku	DAWARE DIVYANI GAJENDRA	12
13	Ku	DEHARIYA BHAVNA DASHARAM	6
14	Ku	DESHMUKH TOSHAN NITIN	10
15	Ku	GAIDHANE PUNAM SUNIL	14
16	Ku	GANGBOIR DEEPA RAJKUMAR	5
17		GAWDE SHIRISH RAINU	AA
18	Ku	GAJBHIYE AATMA VITHOBA	12
19	Ku	HARGUDE RUDRAYANI SANJAY	AA
20	Ku	HATWAR TRUPTI ARUN	15
21		HATTEWAR YASH SHARAD	11
22		INDURKAR VIVEK VILAS	20
23	Ku	KARDE JATIN PURUSHOTTAM	13
24	Ku	KOLARKAR RASHIKA RISHIKESH	16
25		AMBEDARE PRADUTT SANJAY	2
26	Ku	BADANE HARSHADA BANDU	15
27	Ku	BAIRAGI JAGRUTI PRAHLAD	14

Batch M-7(PCSM)

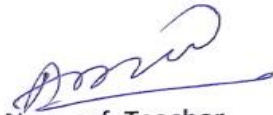
Sr. No.	Name of the student		Mark out of 20
1	Ku	KHANDARE SAYONI UMESH	AA
2	Ku	KULSANGE PRIYANKA RUSHI	15
3	Ku	MADAVI TWINKLE BHASKER	12
4	Ku	MANMODE VIDYA OMKAR	8
5	Ku	MASRAM TANAY DILIP	15
6		MATHANKAR SANKET RAJENDRA	11
7	Ku	MEHAR SHRUTI GEJRAJ	20

8		MENDHE SAHIL JITENDRA	13
9	Ku	NANDANWAR PRACHI GAGAN	16
10	Ku	NEWARE ANJALI MAROTI	2
11		NEMAD SIDDHESH RAVI	15
12		PAWAR AKASH ANTIRAM	14
13	Ku	RAJPUT KHUSHI SHARDASINGH	20
14	Ku	RAMTEKE PRATIKSHA RAJESH	15
15	Ku	RANGARI SHITAL BHAGWAN	AA
16		RAUT RITIK RAVINDRA	10
17	Ku	SAHARE YOGITA MURLIDHAR	AA
18	Ku	SAKHARE ANTARA SHAILESH	15
19	Ku	SARKAR RITIK GAURANG	12
20	Ku	SHENDE SELINA ARJUN	8
21	Ku	TIWARI ANISHA ASHISH	15
22	Ku	UIKEY REETIKA RAVINDRA	11
23		UKEY TANIYA MAHENDRA	20
24		VARPATKAR SANIKA GAJANAN	13
25		VISHWAKARMA SHEELA SUDARSHAN	16
26	Ku	WATKAR DIVYA VINODRAO	2
27		WARKE KRANTISURYA DHAMMAPAL	15
Batch M-8(SCSM)			
Sr. No.		Name of the student	Mark out of 20
1	Ku	BAGLE PAYAL DHARMPAL	AA
2		CHAHANDE SASANT ANUP	11
3	Ku	DAHAKA MAYURI DEVENDRA	16
4	Ku	GUPTA PAYAL RAJESH	20
5	Ku	KAZI FIRDOSH SHARIF	14
6	Ku	KUMRE BHAGYASHRI CHANDRASHEKHAR	12
7		KUMRE NIKHIL BABURAO	15
8	Ku	LAKHOTE NEHARIKA RAJU	11
9		MANDWE ADARSH HIMMAT	20

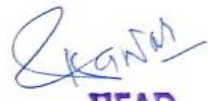
10	Ku	MANGAM YUKTA DILIPRAO	13
11	Ku	MANWATKAR SAMIKSHA RAVI	16
12	Ku	MESHARAM SHRUTI PRASANJEET	2
13	Ku	MISHRA SONU MAHESH	15
14	Ku	MURADE AYASHA RAJU	14
15	Ku	NAGALWADE MEGHA MUNNAJI	20
Batch M-9(SCSM)			
Sr. No.	Name of the student		Mark out of 20
1	Ku	PAL SAKSHI AKHILESH	AA
2	Ku	PARIHAR MANIKA DILIPSINGH	14
3		PARSHIONIKAR HEMANSHU VINOD	11
4	Ku	PILLARE PRANALI DEVIDAS	20
5		PUJARI SARVESH SAMIR	9
6	Ku	RAMTEKE PRAJAKTA SANDESH	19
7	Ku	RAUT AARTI BALKRISHNA	15
8	Ku	RAUT MAYURI ASHOK	15
9	Ku	RAUT NAMRATA NARESH	11
10	Ku	SHEIKH ROZINA ZAKIR HUSSAIN	20
11		SINGH ABHAY RAJVENDRA	13
12	Ku	SURKAR BHAGYASHRI NARENDRA	16
13		TAMBDE SOHAM VILIN	2
14	Ku	TARAR ADITI VINOD	15
15	Ku	VAIDYA SRUSHTI JAGDISH	14
16		WADEKAR AKSHAY BABA	20
Batch M-10(ECSM)			
Sr. No.	Name of the student		Mark out of 20
1		AHIRWAR AJAY BHAGWANDAS	AA
2		ANKAR SANKET BHASKAR	14
3	Ku	BAGDE KAZANLI PRADIP	15
4	Ku	BARSAGADE BHAGYASHRI PRASHANT	11
5	Ku	BHELWA DISHA INDAL	AA

6	Ku	CHOUDHARI TULSI KEWALRAM	20
7		DAMAHE HIMANSHU GHANSHYAM	12
8		DANDALE SURAJ GAJANANRAO	5
9		FRANSWAH OSCAR ALYOSIS	15
10		GAJBHIYE SAMYAK VINOD	12
11		GHODMARE BHAVESH KRISHNAJI	6
12	Ku	GUHE KASTURI ASHISH	19
13	Ku	HUMANE TRUPTI SACHIN	14
14		KAKDE GAURAV DEVMAN	4
15	Ku	KAWARE RUTVIK PRABHAKAR	12
16	Ku	KOHALE NANDINI VIJAY	16
17		NIMJE HRUSHANG RAVINDRA	12
18	Ku	PADOLE LAVANYA DATTU	15
19	Ku	QAZI HUZAIFUDDIN SOHEBUDDIN	11
20		RANE HIMANSHU ARUN	20
21	Ku	SAHU PORNIMA JAYLAL	13
22		SAKHARKAR OM VITTHAL	16
23		SANTOSHWAR YASH SUDHIR	2
24	Ku	SHIVANKAR DEVYANI SATISH	15
25	Ku	TIWARI ANCHAL RAMSUSHIL	14
26	Ku	TIWARI PRIYANSHU BALANDAR	20
27		VIRDI HARSHNEET KAUR JASPAL SINGH VIRDI	15
28		NIMJE HRUSHANG RAVINDRA	11
29	Ku	PADOLE LAVANYA DATTU	AA
30	Ku	QAZI HUZAIFUDDIN SOHEBUDDIN	12
31		RANE HIMANSHU ARUN	11
Batch G-1(CGM)			
Sr. No.		Name of the student	Mark out of 20
1	Ku	BANKAR SHRUTI WAMAN	12
2		MANKAR KASHISH SHANKAR	1
3	Ku	RAJPUT RIDDHI BHAIYALAL	11

4	Ku	RAUT PRADNYA SURESH	10
5		SHRIVASTAV ARYAMAN MANOJ	20
6	Ku	THAWARE BHUMIKA RAVINDRA	14
7	Ku	YELNE TANUSHREE DEVANAND	AA
8	Ku	BANKAR SHRUTI WAMAN	17


Name of Teacher




HEAD
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Science College, Congress Nagar,
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Head of Department

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Bachelor of Science (B. Sc.) (Semester-II) Examination
MATHEMATICS
Paper-I Unit Test I**

Time: OneHours]


[Maximum Marks: 20

N.B. :- Solve all questions, Each questions carry equal marks.

1. (A) Obtain the equation of the sphere passing through the four points (0, 0, 0), (a, 0, 0), (0, b, 0) and (0, 0, c). Also find its radius. 6
- (B) Show that the plane $\ell x + my + nz = p$ will touch the sphere $x^2 + y^2 + z^2 + 2ux + 2vy + 2wz + d = 0$ if $(\ell u + mv + nw + p)^2 = (\ell^2 + m^2 + n^2)(u^2 + v^2 + w^2 - d)$. 6
- (C) Find the equation of the right circular cone whose vertex is the origin, axis is the z axis and semi vertical angle 45° . 6
- (D) Find the equation of the right circular cylinder of radius 4 and axis is the line $\frac{x-1}{2} = \frac{y-2}{1} = \frac{z-3}{2}$.


Name of Teacher




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Department of Mathematics

B. Sc. I Semester- II (2023-24)

Result on unit test held on 27/01/2024

Subject : Mathematics Paper I

Name of the teacher :- Dr.A.M.Pund

Batch M 1 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AIDBAN ANUSHKA MANISH	12
2	Ku	BANAIT PRACHI BABURAO	11
3	Ku	CHAMALWAR PREET RAVINDRA	16
4		CHAUHAN KASHISH RAMVEER	20
5	Ku	DESHBHRATAR MANASVI MANOJ	14
6		DIGHORE KARTIK GANESH	12
7	Ku	GAVHADE DRUTI WAMAN	15
8	Ku	GAIDHANE MEGHANA KISHOR	11
9	Ku	KARANDE DHARINI SHYAM	20
10		KATARE ANJESH MUKESH	13
11		KHADSE PRANAY RAMESH	16
12		KHAIRKAR ANIMESH PAWAN	2
13	Ku	KHARAT KRUNALI SURESH	15
14	Ku	KUHIKE DARSHANA HIRALAL	14
15		MANKAR PRAJWAL VINOD	20
16	Ku	MASKE HIMANI DHARMENDRA	15
17	Ku	KHANDARE MANSI NIKESH	11
Batch M 2- PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	NARNAWARE ANUSHKA PRAMOD	2
2	Ku	PANDEY ANCHAL KEDARNATH	15
3	Ku	PRADHAN RAJESHWARI ABANIKANT	14
4		RAHANGDALE PRALHAD BHUMESH	20
5	Ku	RAUT RASIKA SACHIN	15
6	Ku	RAUT SHREYA PRADIP	11
7	Ku	SANGEWAR ADITI MAHESH	11
8	Ku	SATARE KALYANI GAJANAN	16
9	Ku	SINGH PRIYA KUMARI SANTOSH	20
10	Ku	SUKHADEVE JIYA ISHWAR	14
11		TIRPUDE PRASHIK DEWANAND	12
12	Ku	WADHIVE JANHAVI VASANTA	15
13		WANDHE HIMANSHU DINESH	11
14		WANKHADE MRUNAL SUNIL	20
15	Ku	YADAV ANJALI RAJESH	13
16	Ku	ZATALE MONA VIJAY	16

Batch M 3,4 - PEM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	BHAGAT KHUSHI DINESH	11
2		BILKAR KAUSHAL SITARAM	16
3		CHAUHAN AKSHAD SHASHIKANT	20
4	Ku	JAKKANWAR JANHAVI PRAFUL	14
5	Ku	KHOBRADE SHRUTI YOGESH	12
6	Ku	MISHRA SHIVANI NAGENDRA	15
7		SHARMA ANUGRAH ANIL	11
8		SONEKAR ADITYA SUBASH	20
9		SURVE AADARSH SIDDHARTH	13
10		UIKEY GAURAV ASHOKRAO	16
Batch M 6 - PCSM			
Sr.No.	Name of the Students		Marks out of 20
1		AMBEDARE PRADUTT SANJAY	10
2	Ku	BADANE HARSHADA BANDU	12
3	Ku	BAIRAGI JAGRUTI PRAHLAD	13
4		BANDHATE AYUSH DEEPAK	15
5		BARSAGADE AYUSH HANS DAS	AA
6	Ku	BAWANKAR MADHURI DURYODHAN	2
7	Ku	BHAGAT TANUSHKA MANOJ	15
8	Ku	BHAKARE GAURI DILIP	14
9	Ku	BHARAMBE SAMIKSHA SOPAN	20
10		CHOPDE VANSH TARACHAND	15
11		DARVEKAR KHUSHAL GAJANAN	11
12	Ku	DAWARE DIVYANI GAJENDRA	2
13	Ku	DEHARIYA BHAVNA DASHARAM	4
14	Ku	DESHMUKH TOSHAN NITIN	6
15	Ku	GAIDHANE PUNAM SUNIL	9
16	Ku	GANGBOIR DEEPA RAJKUMAR	10
17		GAWDE SHIRISH RAINU	11
18	Ku	GAJBHIYE AATMA VITHOBA	12
19	Ku	HARGUDE RUDRAYANI SANJAY	11
20	Ku	HATWAR TRUPTI ARUN	3
21		HATTEWAR YASH SHARAD	0
22		INDURKAR VIVEK VILAS	5
23	Ku	KARDE JATIN PURUSHOTTAM	13
24	Ku	KOLARKAR RASHIKA RISHIKESH	15
Batch M 7 - PCSM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	KHANDARE SAYONI UMESH	10
2	Ku	KULSANGE PRIYANKA RUSHI	12
3	Ku	MADAVI TWINKLE BHASKER	13
4	Ku	MANMODE VIDYA OMKAR	15
5	Ku	MASRAM TANAY DILIP	AA
6		MATHANKAR SANKET RAJENDRA	2

7	Ku	MEHAR SHRUTI GEJRAJ	15
8		MENDHE SAHIL JITENDRA	14
9	Ku	NANDANWAR PRACHI GAGAN	20
10	Ku	NEWARE ANJALI MAROTI	15
11		NEMAD SIDDHESH RAVI	11
12		PAWAR AKASH ANTIRAM	2
13	Ku	RAJPUT KHUSHI SHARDASINGH	4
14	Ku	RAMTEKE PRATIKSHA RAJESH	6
15	Ku	RANGARI SHITAL BHAGWAN	9
16		RAUT RITIK RAVINDRA	10
17	Ku	SAHARE YOGITA MURLIDHAR	11
18	Ku	SAKHARE ANTARA SHAILESH	12
19	Ku	SARKAR RITIK GAURANG	11
20	Ku	SHENDE SELINA ARJUN	3
21	Ku	TIWARI ANISHA ASHISH	0
22	Ku	UIKEY REETIKA RAVINDRA	5
23		UKEY TANIYA MAHENDRA	13
24		VARPATKAR SANIKA GAJANAN	15
25		VISHWAKARMA SHEELA SUDARSHAN	
26	Ku	WATKAR DIVYA VINODRAO	
27		WARKE KRANTISURYA DHAMMAPAL	

Batch M 8 - SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	BAGLE PAYAL DHARMPAL	10
2		CHAHANDE SASANT ANUP	12
3	Ku	DAHAKA MAYURI DEVENDRA	13
4	Ku	GUPTA PAYAL RAJESH	15
5	Ku	KAZI FIRDOSH SHARIF	AA
6	Ku	KUMRE BHAGYASHRI CHANDRASHEKHAR	2
7		KUMRE NIKHIL BABURAO	15
8	Ku	LAKHOTE NEHARIKA RAJU	14
9		MANDWE ADARSH HIMMAT	20
10	Ku	MANGAM YUKTA DILIPRAO	15
11	Ku	MANWATKAR SAMIKSHA RAVI	11
12	Ku	MESHRAM SHRUTI PRASANJEET	2
13	Ku	MISHRA SONU MAHESH	4
14	Ku	MURADE AYASHA RAJU	6
15	Ku	NAGALWADE MEGHA MUNNAJI	9

Batch M 9 - SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	PAL SAKSHI AKHILESH	AA
2	Ku	PARIHAR MANIKA DILIPSINGH	10
3		PARSHIONIKAR HEMANSHU VINOD	12
4	Ku	PILLARE PRANALI DEVIDAS	13
5		PUJARI SARVESH SAMIR	15
6	Ku	RAMTEKE PRAJAKTA SANDESH	AA

7	Ku	RAUT AARTI BALKRISHNA	2
8	Ku	RAUT MAYURI ASHOK	15
9	Ku	RAUT NAMRATA NARESH	14
10	Ku	SHEIKH ROZINA ZAKIR HUSSAIN	20
11		SINGH ABHAY RAJVENDRA	15
12	Ku	SURKAR BHAGYASHRI NARENDRA	11
13		TAMBDE SOHAM VILIN	2
14	Ku	TARAR ADITI VINOD	4
15	Ku	VAIDYA SRUSHTI JAGDISH	6
16		WADEKAR AKSHAY BABA	9

Batch M 10 - ECSM

Sr.No.	Name of the Students		Marks out of 20
1		AHIRWAR AJAY BHAGWANDAS	10
2		ANKAR SANKET BHASKAR	12
3	Ku	BAGDE KAZANLI PRADIP	13
4	Ku	BARSAGADE BHAGYASHRI PRASHANT	15
5	Ku	BHELWA DISHA INDAL	AA
6	Ku	CHOUDHARI TULSI KEWALRAM	2
7		DAMAHE HIMANSHU GHANSHYAM	15
8		DANDALE SURAJ GAJANANRAO	14
9		FRANSWAH OSCAR ALYOSIS	20
10		GAJBHIYE SAMYAK VINOD	15
11		GHODMARE BHAVESH KRISHNAJI	11
12	Ku	GUHE KASTURI ASHISH	2
13	Ku	HUMANE TRUPTI SACHIN	4
14		KAKDE GAURAV DEVMAN	6
15	Ku	KAWARE RUTVIK PRABHAKAR	9
16	Ku	KOHALE NANDINI VIJAY	10
17		KURHE RUDRA ATUL	11
18	Ku	MATHANIKAR MOHINI DEORAO	12
19	Ku	MISHRA ANJALI CHANDRAMANI	11
20	Ku	NAGPURKAR AKSHATA KISAN	3
21		NIMJE HRUSHANG RAVINDRA	0
22	Ku	PADOLE LAVANYA DATTU	5
23	Ku	QAZI HUZAIFUDDIN SOHEBUDDIN	13
24		RANE HIMANSHU ARUN	15
25	Ku	SAHU PORNIMA JAYLAL	AA
26		SAKHARKAR OM VITTHAL	12
27		SANTOSHWAR YASH SUDHIR	15
28	Ku	SHIVANKAR DEVYANI SATISH	15
29	Ku	TIWARI ANCHAL RAMSUSHIL	16
30	Ku	TIWARI PRIYANSHU BALANDAR	6
31		VIRDI HARSHNEET KAUR JASPAL SINGH VIRDI	7


Batch G 1 - CGM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	BANKAR SHRUTI WAMAN	15

2		MANKAR KASHISH SHANKAR	AA
3	Ku	RAJPUT RIDDHI BHAIYALAL	12
4	Ku	RAUT PRADNYA SURESH	15
6		SHRIVASTAV ARYAMAN MANOJ	15
7	Ku	THAWARE BHUMIKA RAVINDRA	16
8	Ku	YELNE TANUSHREE DEVANAND	6
			7


Name of Teacher




HEAD
Department of Mathematics
Science College, Congress Nagar,
NAGPUR,
Head of Department

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Bachelor of Science (B. Sc.) (Semester-II) Examination
MATHEMATICS
Paper-I Unit Test II**

Time: One Hours]

[Maximum Marks: 20

N.B. :- Solve all questions, Each questions carry equal marks.

Q. 1

(A) Solve :

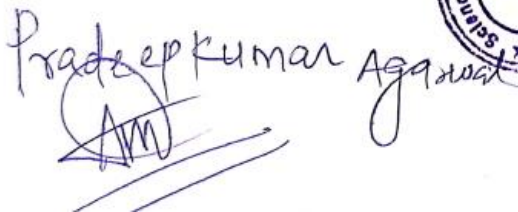
$$(x^2 + 4xy + 2y^2)dx + (y^2 + 4xy + 2x^2)dy = 0.$$

(B) Solve the linear differential equation $dx + xdy = e^{-y} \sec^2 y dy$.

(C) Solve $xp^2 + (y - x)p - y = 0$ where $p = \frac{dy}{dx}$.

(D) Solve $p^3 - 2xyp + 4y^2 = 0$ where $p = \frac{dy}{dx}$.

Name of Teacher

Pradeep Kumar Aggarwal




**HEAD
Department of Mathematics
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NAGPUR.**

Head of Department

SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Mathematics

B. Sc. I Semester-II (2023-24)

Result on unit test held on 12/03/2024

Subject : Mathematics Paper I

Name of the teacher :- Pradip Agarwal

Batch M 1 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AIDBAN ANUSHKA MANISH	12
2	Ku	BANAIT PRACHI BABURAO	11
3	Ku	CHAMALWAR PREET RAVINDRA	16
4		CHAUHAN KASHISH RAMVEER	20
5	Ku	DESHBHRATAR MANASVI MANOJ	14
6		DIGHORE KARTIK GANESH	12
7	Ku	GAVHADE DRUTI WAMAN	15
8	Ku	GAIDHANE MEGHANA KISHOR	11
9	Ku	KARANDE DHARINI SHYAM	20
10		KATARE ANJESH MUKESH	13
11		KHADSE PRANAY RAMESH	16
12		KHAIRKAR ANIMESH PAWAN	2
13	Ku	KHARAT KRUNALI SURESH	15
14	Ku	KUHIKE DARSHANA HIRALAL	14
15		MANKAR PRAJWAL VINOD	20
16	Ku	MASKE HIMANI DHARMENDRA	15
17	Ku	KHANDARE MANSI NIKESH	11
Batch M 2- PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	NARNAWARE ANUSHKA PRAMOD	2
2	Ku	PANDEY ANCHAL KEDARNATH	15
3	Ku	PRADHAN RAJESHWARI ABANIKANT	14
4		RAHANGDALE PRALHAD BHUMESH	20
5	Ku	RAUT RASIKA SACHIN	15
6	Ku	RAUT SHREYA PRADIP	11
7	Ku	SANGEWAR ADITI MAHESH	11
8	Ku	SATARE KALYANI GAJANAN	16
9	Ku	SINGH PRIYA KUMARI SANTOSH	20
10	Ku	SUKHADEVE JIYA ISHWAR	14
11		TIRPUDE PRASHIK DEWANAND	12
12	Ku	WADHIVE JANHAVI VASANTA	15
13		WANDHE HIMANSHU DINESH	11
14		WANKHADE MRUNAL SUNIL	20
15	Ku	YADAV ANJALI RAJESH	13
16	Ku	ZATALE MONA VIJAY	16

Batch M 3,4 - PEM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	BHAGAT KHUSHI DINESH	11
2		BILKAR KAUSHAL SITARAM	16
3		CHAUHAN AKSHAD SHASHIKANT	20
4	Ku	JAKKANWAR JANHAVI PRAFUL	14
5	Ku	KHOBRADE SHRUTI YOGESH	12
6	Ku	MISHRA SHIVANI NAGENDRA	15
7		SHARMA ANUGRAH ANIL	11
8		SONEKAR ADITYA SUBASH	20
9		SURVE AADARSH SIDDHARTH	13
10		UIKEY GAURAV ASHOKRAO	16
Batch M 6 - PCSM			
Sr.No.	Name of the Students		Marks out of 20
1		AMBEDARE PRADUTT SANJAY	10
2	Ku	BADANE HARSHADA BANDU	12
3	Ku	BAIRAGI JAGRUTI PRAHLAD	13
4		BANDHATE AYUSH DEEPAK	15
5		BARSAGADE AYUSH HANS DAS	AA
6	Ku	BAWANKAR MADHURI DURYODHAN	2
7	Ku	BHAGAT TANUSHKA MANOJ	15
8	Ku	BHAKARE GAURI DILIP	14
9	Ku	BHARAMBE SAMIKSHA SOPAN	20
10		CHOPDE VANSH TARACHAND	15
11		DARVEKAR KHUSHAL GAJANAN	11
12	Ku	DAWARE DIVYANI GAJENDRA	2
13	Ku	DEHARIYA BHAVNA DASHARAM	4
14	Ku	DESHMUKH TOSHAN NITIN	6
15	Ku	GAIDHANE PUNAM SUNIL	9
16	Ku	GANGBOIR DEEPA RAJKUMAR	10
17		GAWDE SHIRISH RAINU	11
18	Ku	GAJBHIYE AATMA VITHOBA	12
19	Ku	HARGUDE RUDRAYANI SANJAY	11
20	Ku	HATWAR TRUPTI ARUN	3
21		HATTEWAR YASH SHARAD	0
22		INDURKAR VIVEK VILAS	5
23	Ku	KARDE JATIN PURUSHOTTAM	13
24	Ku	KOLARKAR RASHIKA RISHIKESH	15
Batch M 7 - PCSM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	KHANDARE SAYONI UMESH	10
2	Ku	KULSANGE PRIYANKA RUSHI	12
3	Ku	MADAVI TWINKLE BHASKER	13
4	Ku	MANMODE VIDYA OMKAR	15
5	Ku	MASRAM TANAY DILIP	AA
6		MATHANKAR SANKET RAJENDRA	2

7	Ku	MEHAR SHRUTI GEJRAJ	15
8		MENDHE SAHIL JITENDRA	14
9	Ku	NANDANWAR PRACHI GAGAN	20
10	Ku	NEWARE ANJALI MAROTI	15
11		NEMAD SIDDHESH RAVI	11
12		PAWAR AKASH ANTIRAM	2
13	Ku	RAJPUT KHUSHI SHARDASINGH	4
14	Ku	RAMTEKE PRATIKSHA RAJESH	6
15	Ku	RANGARI SHITAL BHAGWAN	9
16		RAUT RITIK RAVINDRA	10
17	Ku	SAHARE YOGITA MURLIDHAR	11
18	Ku	SAKHARE ANTARA SHAILESH	12
19	Ku	SARKAR RITIK GAURANG	11
20	Ku	SHENDE SELINA ARJUN	3
21	Ku	TIWARI ANISHA ASHISH	0
22	Ku	UIKEY REETIKA RAVINDRA	5
23		UKEY TANIYA MAHENDRA	13
24		VARPATKAR SANIKA GAJANAN	15
25		VISHWAKARMA SHEELA SUDARSHAN	
26	Ku	WATKAR DIVYA VINODRAO	
27		WARKE KRANTISURYA DHAMMAPAL	

Batch M 8 - SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	BAGLE PAYAL DHARMPAL	10
2		CHAHANDE SASANT ANUP	12
3	Ku	DAHAKA MAYURI DEVENDRA	13
4	Ku	GUPTA PAYAL RAJESH	15
5	Ku	KAZI FIRDOSH SHARIF	AA
6	Ku	KUMRE BHAGYASHRI CHANDRASHEKHAR	2
7		KUMRE NIKHIL BABURAO	15
8	Ku	LAKHOTE NEHARIKA RAJU	14
9		MANDWE ADARSH HIMMAT	20
10	Ku	MANGAM YUKTA DILIPRAO	15
11	Ku	MANWATKAR SAMIKSHA RAVI	11
12	Ku	MESHRAM SHRUTI PRASANJEET	2
13	Ku	MISHRA SONU MAHESH	4
14	Ku	MURADE AYASHA RAJU	6
15	Ku	NAGALWADE MEGHA MUNNAJI	9

Batch M 9 - SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	PAL SAKSHI AKHILESH	AA
2	Ku	PARIHAR MANIKA DILIPSINGH	10
3		PARSHIONIKAR HEMANSHU VINOD	12
4	Ku	PILLARE PRANALI DEVIDAS	13
5		PUJARI SARVESH SAMIR	15
6	Ku	RAMTEKE PRAJAKTA SANDESH	AA

7	Ku	RAUT AARTI BALKRISHNA	2
8	Ku	RAUT MAYURI ASHOK	15
9	Ku	RAUT NAMRATA NARESH	14
10	Ku	SHEIKH ROZINA ZAKIR HUSSAIN	20
11		SINGH ABHAY RAJVENDRA	15
12	Ku	SURKAR BHAGYASHRI NARENDRA	11
13		TAMBDE SOHAM VILIN	2
14	Ku	TARAR ADITI VINOD	4
15	Ku	VAIDYA SRUSHTI JAGDISH	6
16		WADEKAR AKSHAY BABA	9

Batch M 10 - ECSM

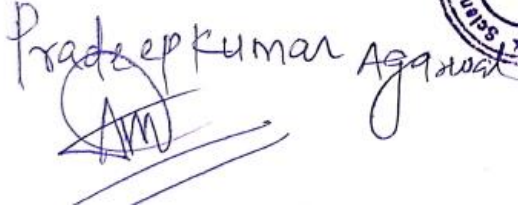
Sr.No.	Name of the Students		Marks out of 20
1		AHIRWAR AJAY BHAGWANDAS	10
2		ANKAR SANKET BHASKAR	12
3	Ku	BAGDE KAZANLI PRADIP	13
4	Ku	BARSAGADE BHAGYASHRI PRASHANT	15
5	Ku	BHELWA DISHA INDAL	AA
6	Ku	CHODHARI TULSI KEWALRAM	2
7		DAMAHE HIMANSHU GHANSHYAM	15
8		DANDALE SURAJ GAJANANRAO	14
9		FRANSWAH OSCAR ALYOSIS	20
10		GAJBHIYE SAMYAK VINOD	15
11		GHODMARE BHAVESH KRISHNAJI	11
12	Ku	GUHE KASTURI ASHISH	2
13	Ku	HUMANE TRUPTI SACHIN	4
14		KAKDE GAURAV DEVMAN	6
15	Ku	KAWARE RUTVIK PRABHAKAR	9
16	Ku	KOHALE NANDINI VIJAY	10
17		KURHE RUDRA ATUL	11
18	Ku	MATHANIKAR MOHINI DEORAO	12
19	Ku	MISHRA ANJALI CHANDRAMANI	11
20	Ku	NAGPURKAR AKSHATA KISAN	3
21		NIMJE HRUSHANG RAVINDRA	0
22	Ku	PADOLE LAVANYA DATTU	5
23	Ku	QAZI HUZAIFUDDIN SOHEBUDDIN	13
24		RANE HIMANSHU ARUN	15
25	Ku	SAHU PORNIMA JAYLAL	AA
26		SAKHARKAR OM VITTHAL	12
27		SANTOSHWAR YASH SUDHIR	15
28	Ku	SHIVANKAR DEVYANI SATISH	15
29	Ku	TIWARI ANCHAL RAMSUSHIL	16
30	Ku	TIWARI PRIYANSHU BALANDAR	6
31		VIRDI HARSHNEET KAUR JASPAL SINGH VIRDI	7

Batch G 1 - CGM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	BANKAR SHRUTI WAMAN	15

2		MANKAR KASHISH SHANKAR	AA
3	Ku	RAJPUT RIDDHI BHAIYALAL	12
4	Ku	RAUT PRADNYA SURESH	15
6		SHRIVASTAV ARYAMAN MANOJ	15
7	Ku	THAWARE BHUMIKA RAVINDRA	16
8	Ku	YELNE TANUSHREE DEVANAND	6
			7

Name of Teacher

Pradeepkumar Aggarwal






HEAD
 Department of Mathematics
 Science College, Congress Nagar
 NAGPUR.

Head of Department

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur**
Bachelor of Science (B. Sc.) (Semester-II) Examination
MATHEMATICS
Paper-II Unit Test I

Time: OneHours]

[Maximum Marks: 20

N.B. :- Solve all questions, Each questions carry equal marks.

1. (A) Evaluate by Green's Theorem :

$$\oint_C (3x^2 + 2y)dx - (x + 3 \cos y)dy$$

around parallelogram having vertices at (0, 0), (3, 0), (4, 1) and (1, 1).

- (B) Evaluate $\iint_S \vec{A} \cdot \hat{n} dS$, where $\vec{A} = 18z\vec{i} - 12\vec{j} + 3y\vec{k}$ and S is the part of the plane $2x + 3y + 6z = 6$ which is located in the first octant.

- (C) Evaluate by using divergence theorem $\iint_S \vec{A} \cdot \hat{n} dS$ where $\vec{A} = 4x\vec{i} - 2y^2\vec{j} + z^2\vec{k}$ taken over the region bounded by $x^2 + y^2 = 4$, $z = 0$, $z = 3$.

- (D) Evaluate by Stoke's theorem $\iint_S \text{Curl } \vec{F} \cdot \hat{n} dS$ where $\vec{F} = z^2\vec{i} + y^2\vec{j} + x\vec{k}$ and S is the surface of the solid cut off by the plane $x + y + z = 1$ from the first octant.



Name of Teacher



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SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Mathematics

B. Sc. I Semester- II (2023-24)

Result on unit test held on 27/09/2022

Subject : Mathematics Paper II

Name of the teacher :- Priti Nandeshwar

Batch M 1 – PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AIDBAN ANUSHKA MANISH	12
2	Ku	BANAIT PRACHI BABURAO	11
3	Ku	CHAMALWAR PREET RAVINDRA	16
4		CHAUHAN KASHISH RAMVEER	20
5	Ku	DESHBHRATAR MANASVI MANOJ	14
6		DIGHORE KARTIK GANESH	12
7	Ku	GAVHADE DRUTI WAMAN	15
8	Ku	GAIDHANE MEGHANA KISHOR	11
9	Ku	KARANDE DHARINI SHYAM	20
10		KATARE ANJESH MUKESH	13
11		KHADSE PRANAY RAMESH	16
12		KHAIRKAR ANIMESH PAWAN	2
13	Ku	KHARAT KRUNALI SURESH	15
14	Ku	KUHIKE DARSHANA HIRALAL	14
15		MANKAR PRAJWAL VINOD	20
16	Ku	MASKE HIMANI DHARMENDRA	15
17	Ku	KHANDARE MANSI NIKESH	11
Batch M 2- PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	NARNAWARE ANUSHKA PRAMOD	2
2	Ku	PANDEY ANCHAL KEDARNATH	15
3	Ku	PRADHAN RAJESHWARI ABANIKANT	14
4		RAHANGDALE PRALHAD BHUMESH	20
5	Ku	RAUT RASIKA SACHIN	15
6	Ku	RAUT SHREYA PRADIP	11
7	Ku	SANGEWAR ADITI MAHESH	11
8	Ku	SATARE KALYANI GAJANAN	16
9	Ku	SINGH PRIYA KUMARI SANTOSH	20
10	Ku	SUKHADEVE JIYA ISHWAR	14
11		TIRPUDE PRASHIK DEWANAND	12
12	Ku	WADHIVE JANHAVI VASANTA	15
13		WANDHE HIMANSHU DINESH	11
14		WANKHADE MRUNAL SUNIL	20

15	Ku	YADAV ANJALI RAJESH	13
16	Ku	ZATALE MONA VIJAY	16
Batch M 3,4 – PEM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	BHAGAT KHUSHI DINESH	11
2		BILKAR KAUSHAL SITARAM	16
3		CHAUHAN AKSHAD SHASHIKANT	20
4	Ku	JAKKANWAR JANHAVI PRAFUL	14
5	Ku	KHOBRADE SHRUTI YOGESH	12
6	Ku	MISHRA SHIVANI NAGENDRA	15
7		SHARMA ANUGRAH ANIL	11
8		SONEKAR ADITYA SUBASH	20
9		SURVE AADARSH SIDDHARTH	13
10		UIKEY GAURAV ASHOKRAO	16
Batch M 6 – PCSM			
Sr.No.	Name of the Students		Marks out of 20
1		AMBEDARE PRADUTT SANJAY	10
2	Ku	BADANE HARSHADA BANDU	12
3	Ku	BAIRAGI JAGRUTI PRAHLAD	13
4		BANDHATE AYUSH DEEPAK	15
5		BARSAGADE AYUSH HANSDAS	AA
6	Ku	BAWANKAR MADHURI DURYODHAN	2
7	Ku	BHAGAT TANUSHKA MANOJ	15
8	Ku	BHAKARE GAURI DILIP	14
9	Ku	BHARAMBE SAMIKSHA SOPAN	20
10		CHOPDE VANSH TARACHAND	15
11		DARVEKAR KHUSHAL GAJANAN	11
12	Ku	DAWARE DIVYANI GAJENDRA	2
13	Ku	DEHARIYA BHAVNA DASHARAM	4
14	Ku	DESHMUKH TOSHAN NITIN	6
15	Ku	GAIDHANE PUNAM SUNIL	9
16	Ku	GANGBOIR DEEPA RAJKUMAR	10
17		GAWDE SHIRISH RAINU	11
18	Ku	GAJBHIYE AATMA VITHOBA	12
19	Ku	HARGUDE RUDRAYANI SANJAY	11
20	Ku	HATWAR TRUPTI ARUN	3
21		HATTEWAR YASH SHARAD	0
22		INDURKAR VIVEK VILAS	5
23	Ku	KARDE JATIN PURUSHOTTAM	13
24	Ku	KOLARKAR RASHIKA RISHIKESH	15
Batch M 7 – PCSM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	KHANDARE SAYONI UMESH	10
2	Ku	KULSANGE PRIYANKA RUSHI	12
3	Ku	MADAVI TWINKLE BHASKER	13
4	Ku	MANMODE VIDYA OMKAR	15

5	Ku	MASRAM TANAY DILIP	AA
6		MATHANKAR SANKET RAJENDRA	2
7	Ku	MEHAR SHRUTI GEJRAJ	15
8		MENDHE SAHIL JITENDRA	14
9	Ku	NANDANWAR PRACHI GAGAN	20
10	Ku	NEWARE ANJALI MAROTI	15
11		NEMAD SIDDHESH RAVI	11
12		PAWAR AKASH ANTIRAM	2
13	Ku	RAJPUT KHUSHI SHARDASINGH	4
14	Ku	RAMTEKE PRATIKSHA RAJESH	6
15	Ku	RANGARI SHITAL BHAGWAN	9
16		RAUT RITIK RAVINDRA	10
17	Ku	SAHARE YOGITA MURLIDHAR	11
18	Ku	SAKHARE ANTARA SHAILESH	12
19	Ku	SARKAR RITIK GAURANG	11
20	Ku	SHENDE SELINA ARJUN	3
21	Ku	TIWARI ANISHA ASHISH	0
22	Ku	UIKEY REETIKA RAVINDRA	5
23		UKEY TANIYA MAHENDRA	13
24		VARPATKAR SANIKA GAJANAN	15
25		VISHWAKARMA SHEELA SUDARSHAN	
26	Ku	WATKAR DIVYA VINODRAO	
27		WARKE KRANTISURYA DHAMMAPAL	

Batch M 8 – SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	BAGLE PAYAL DHARMPAL	10
2		CHAHANDE SASANT ANUP	12
3	Ku	DAHAKA MAYURI DEVENDRA	13
4	Ku	GUPTA PAYAL RAJESH	15
5	Ku	KAZI FIRDOSH SHARIF	AA
6	Ku	KUMRE BHAGYASHRI CHANDRASHEKHAR	2
7		KUMRE NIKHIL BABURAO	15
8	Ku	LAKHOTE NEHARIKA RAJU	14
9		MANDWE ADARSH HIMMAT	20
10	Ku	MANGAM YUKTA DILIPRAO	15
11	Ku	MANWATKAR SAMIKSHA RAVI	11
12	Ku	MESHARAM SHRUTI PRASANJEET	2
13	Ku	MISHRA SONU MAHESH	4
14	Ku	MURADE AYASHA RAJU	6
15	Ku	NAGALWADE MEGHA MUNNAJI	9

Batch M 9 – SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	PAL SAKSHI AKHILESH	AA
2	Ku	PARIHAR MANIKA DILIPSINGH	10
3		PARSHIONIKAR HEMANSHU VINOD	12
4	Ku	PILLARE PRANALI DEVIDAS	13

5		PUJARI SARVESH SAMIR	15
6	Ku	RAMTEKE PRAJAKTA SANDESH	AA
7	Ku	RAUT AARTI BALKRISHNA	2
8	Ku	RAUT MAYURI ASHOK	15
9	Ku	RAUT NAMRATA NARESH	14
10	Ku	SHEIKH ROZINA ZAKIR HUSSAIN	20
11		SINGH ABHAY RAJVENDRA	15
12	Ku	SURKAR BHAGYASHRI NARENDRA	11
13		TAMBDE SOHAM VILIN	2
14	Ku	TARAR ADITI VINOD	4
15	Ku	VAIDYA SRUSHTI JAGDISH	6
16		WADEKAR AKSHAY BABA	9
Batch M 10 – ECSM			
Sr.No.		Name of the Students	Marks out of 20
1		AHIRWAR AJAY BHAGWANDAS	10
2		ANKAR SANKET BHASKAR	12
3	Ku	BAGDE KAZANLI PRADIP	13
4	Ku	BARSAGADE BHAGYASHRI PRASHANT	15
5	Ku	BHELWA DISHA INDAL	AA
6	Ku	CHODHARI TULSI KEWALRAM	2
7		DAMAHE HIMANSHU GHANSHYAM	15
8		DANDALE SURAJ GAJANANRAO	14
9		FRANSWAH OSCAR ALYOSIS	20
10		GAJBHIYE SAMYAK VINOD	15
11		GHODMARE BHAVESH KRISHNAJI	11
12	Ku	GUHE KASTURI ASHISH	2
13	Ku	HUMANE TRUPTI SACHIN	4
14		KAKDE GAURAV DEVMAN	6
15	Ku	KAWARE RUTVIK PRABHAKAR	9
16	Ku	KOHALE NANDINI VIJAY	10
17		KURHE RUDRA ATUL	11
18	Ku	MATHANIKAR MOHINI DEORAO	12
19	Ku	MISHRA ANJALI CHANDRAMANI	11
20	Ku	NAGPURKAR AKSHATA KISAN	3
21		NIMJE HRUSHANG RAVINDRA	0
22	Ku	PADOLE LAVANYA DATTU	5
23	Ku	QAZI HUZAIFUDDIN SOHEBUDDIN	13
24		RANE HIMANSHU ARUN	15
25	Ku	SAHU PORNIMA JAYLAL	AA
26		SAKHARKAR OM VITTHAL	12
27		SANTOSHWAR YASH SUDHIR	15
28	Ku	SHIVANKAR DEVYANI SATISH	15
29	Ku	TIWARI ANCHAL RAMSUSHIL	16
30	Ku	TIWARI PRIYANSHU BALANDAR	6
31		VIRDI HARSHNEET KAUR JASPAL SINGH VIRDI	7
Batch G 1 – CGM			

Sr.No.	Name of the Students		Marks out of 20
1	Ku	BANKAR SHRUTI WAMAN	15
2		MANKAR KASHISH SHANKAR	AA
3	Ku	RAJPUT RIDDHI BHAIYALAL	12
4	Ku	RAUT PRADNYA SURESH	15
6		SHRIVASTAV ARYAMAN MANOJ	15
7	Ku	THAWARE BHUMIKA RAVINDRA	16
8	Ku	YELNE TANUSHREE DEVANAND	6
			7

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Name of Teacher



[Handwritten Signature]

HEAD
Department of Mathematics
Science College, Congress Nagar,
NAGPUR,
 Head of Department

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Bachelor of Science (B. Sc.) (Semester-II) Examination
MATHEMATICS
Paper-II Unit Test II**

Time: OneHours]

[Maximum Marks: 20

N.B. :- Solve all questions, Each questions carry equal marks.

1. (A) Test the convergence of :

(i) $\int_1^{\infty} \frac{x}{4x^5 + 7x^3 + 2} dx$

(ii) $\int_{-1}^7 \frac{dx}{(x+1)^{1/3}}$

(B) Define Beta function $B(m, n)$ and prove that $B(m, n) = \int_0^{\infty} \frac{x^{m-1}}{(1+x)^{m+n}} dx$.

(C) Evaluate the following :

(i) $\int_0^{\infty} \sqrt{x} e^{-x^3} dx$

(ii) $\int_0^1 \frac{dx}{\sqrt{-\log x}}$

(D) (i) Evaluate :

$$\int_0^{\pi} \sin^5 \theta d\theta.$$

(ii) Show that :

$$\int_0^a (a-x)^{m-1} x^{n-1} dx = a^{m+n-1} B(m, n).$$



Name of Teacher



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AGFL.

SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Mathematics

B. Sc. I Semester- II (2023-24)

Result on unit test held on 14/03/2024

Subject : Mathematics Paper II

Name of the teacher :- Prof. Kalpana Pawar

Batch M 1 – PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AIDBAN ANUSHKA MANISH	12
2	Ku	BANAIT PRACHI BABURAO	11
3	Ku	CHAMALWAR PREET RAVINDRA	16
4		CHAUHAN KASHISH RAMVEER	20
5	Ku	DESHBHRATAR MANASVI MANOJ	14
6		DIGHORE KARTIK GANESH	12
7	Ku	GAVHADE DRUTI WAMAN	15
8	Ku	GAIDHANE MEGHANA KISHOR	11
9	Ku	KARANDE DHARINI SHYAM	20
10		KATARE ANJESH MUKESH	13
11		KHADSE PRANAY RAMESH	16
12		KHAIRKAR ANIMESH PAWAN	2
13	Ku	KHARAT KRUNALI SURESH	15
14	Ku	KUHIKE DARSHANA HIRALAL	14
15		MANKAR PRAJWAL VINOD	20
16	Ku	MASKE HIMANI DHARMENDRA	15
17	Ku	KHANDARE MANSI NIKESH	11
Batch M 2- PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	NARNAWARE ANUSHKA PRAMOD	2
2	Ku	PANDEY ANCHAL KEDARNATH	15
3	Ku	PRADHAN RAJESHWARI ABANIKANT	14
4		RAHANGDALE PRALHAD BHUMESH	20
5	Ku	RAUT RASIKA SACHIN	15
6	Ku	RAUT SHREYA PRADIP	11
7	Ku	SANGEWAR ADITI MAHESH	11
8	Ku	SATARE KALYANI GAJANAN	16
9	Ku	SINGH PRIYA KUMARI SANTOSH	20
10	Ku	SUKHADEVE JIYA ISHWAR	14
11		TIRPUDE PRASHIK DEWANAND	12
12	Ku	WADHIVE JANHAVI VASANTA	15
13		WANDHE HIMANSHU DINESH	11
14		WANKHADE MRUNAL SUNIL	20

15	Ku	YADAV ANJALI RAJESH	13
16	Ku	ZATALE MONA VIJAY	16
Batch M 3,4 – PEM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	BHAGAT KHUSHI DINESH	11
2		BILKAR KAUSHAL SITARAM	16
3		CHAUHAN AKSHAD SHASHIKANT	20
4	Ku	JAKKANWAR JANHAVI PRAFUL	14
5	Ku	KHOBRADE SHRUTI YOGESH	12
6	Ku	MISHRA SHIVANI NAGENDRA	15
7		SHARMA ANUGRAH ANIL	11
8		SONEKAR ADITYA SUBASH	20
9		SURVE AADARSH SIDDHARTH	13
10		UIKEY GAURAV ASHOKRAO	16
Batch M 6 – PCSM			
Sr.No.	Name of the Students		Marks out of 20
1		AMBEDARE PRADUTT SANJAY	10
2	Ku	BADANE HARSHADA BANDU	12
3	Ku	BAIRAGI JAGRUTI PRAHLAD	13
4		BANDHATE AYUSH DEEPAK	15
5		BARSAGADE AYUSH HANSDAS	AA
6	Ku	BAWANKAR MADHURI DURYODHAN	2
7	Ku	BHAGAT TANUSHKA MANOJ	15
8	Ku	BHAKARE GAURI DILIP	14
9	Ku	BHARAMBE SAMIKSHA SOPAN	20
10		CHOPDE VANSH TARACHAND	15
11		DARVEKAR KHUSHAL GAJANAN	11
12	Ku	DAWARE DIVYANI GAJENDRA	2
13	Ku	DEHARIYA BHAVNA DASHARAM	4
14	Ku	DESHMUKH TOSHAN NITIN	6
15	Ku	GAIDHANE PUNAM SUNIL	9
16	Ku	GANGBOIR DEEPA RAJKUMAR	10
17		GAWDE SHIRISH RAINU	11
18	Ku	GAJBHIYE AATMA VITHOBA	12
19	Ku	HARGUDE RUDRAYANI SANJAY	11
20	Ku	HATWAR TRUPTI ARUN	3
21		HATTEWAR YASH SHARAD	0
22		INDURKAR VIVEK VILAS	5
23	Ku	KARDE JATIN PURUSHOTTAM	13
24	Ku	KOLARKAR RASHIKA RISHIKESH	15
Batch M 7 – PCSM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	KHANDARE SAYONI UMESH	10
2	Ku	KULSANGE PRIYANKA RUSHI	12
3	Ku	MADAVI TWINKLE BHASKER	13
4	Ku	MANMODE VIDYA OMKAR	15

5	Ku	MASRAM TANAY DILIP	AA
6		MATHANKAR SANKET RAJENDRA	2
7	Ku	MEHAR SHRUTI GEJRAJ	15
8		MENDHE SAHIL JITENDRA	14
9	Ku	NANDANWAR PRACHI GAGAN	20
10	Ku	NEWARE ANJALI MAROTI	15
11		NEMAD SIDDHESH RAVI	11
12		PAWAR AKASH ANTIRAM	2
13	Ku	RAJPUT KHUSHI SHARDASINGH	4
14	Ku	RAMTEKE PRATIKSHA RAJESH	6
15	Ku	RANGARI SHITAL BHAGWAN	9
16		RAUT RITIK RAVINDRA	10
17	Ku	SAHARE YOGITA MURLIDHAR	11
18	Ku	SAKHARE ANTARA SHAILESH	12
19	Ku	SARKAR RITIK GAURANG	11
20	Ku	SHENDE SELINA ARJUN	3
21	Ku	TIWARI ANISHA ASHISH	0
22	Ku	UIKEY REETIKA RAVINDRA	5
23		UKEY TANIYA MAHENDRA	13
24		VARPATKAR SANIKA GAJANAN	15
25		VISHWAKARMA SHEELA SUDARSHAN	
26	Ku	WATKAR DIVYA VINODRAO	
27		WARKE KRANTISURYA DHAMMAPAL	

Batch M 8 – SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	BAGLE PAYAL DHARMPAL	10
2		CHAHANDE SASANT ANUP	12
3	Ku	DAHAKA MAYURI DEVENDRA	13
4	Ku	GUPTA PAYAL RAJESH	15
5	Ku	KAZI FIRDOSH SHARIF	AA
6	Ku	KUMRE BHAGYASHRI CHANDRASHEKHAR	2
7		KUMRE NIKHIL BABURAO	15
8	Ku	LAKHOTE NEHARIKA RAJU	14
9		MANDWE ADARSH HIMMAT	20
10	Ku	MANGAM YUKTA DILIPRAO	15
11	Ku	MANWATKAR SAMIKSHA RAVI	11
12	Ku	MESHARAM SHRUTI PRASANJEET	2
13	Ku	MISHRA SONU MAHESH	4
14	Ku	MURADE AYASHA RAJU	6
15	Ku	NAGALWADE MEGHA MUNNAJI	9

Batch M 9 – SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	PAL SAKSHI AKHILESH	AA
2	Ku	PARIHAR MANIKA DILIPSINGH	10
3		PARSHIONIKAR HEMANSHU VINOD	12
4	Ku	PILLARE PRANALI DEVIDAS	13

5		PUJARI SARVESH SAMIR	15
6	Ku	RAMTEKE PRAJAKTA SANDESH	AA
7	Ku	RAUT AARTI BALKRISHNA	2
8	Ku	RAUT MAYURI ASHOK	15
9	Ku	RAUT NAMRATA NARESH	14
10	Ku	SHEIKH ROZINA ZAKIR HUSSAIN	20
11		SINGH ABHAY RAJVENDRA	15
12	Ku	SURKAR BHAGYASHRI NARENDRA	11
13		TAMBDE SOHAM VILIN	2
14	Ku	TARAR ADITI VINOD	4
15	Ku	VAIDYA SRUSHTI JAGDISH	6
16		WADEKAR AKSHAY BABA	9

Batch M 10 – ECSM

Sr.No.		Name of the Students	Marks out of 20
1		AHIRWAR AJAY BHAGWANDAS	10
2		ANKAR SANKET BHASKAR	12
3	Ku	BAGDE KAZANLI PRADIP	13
4	Ku	BARSAGADE BHAGYASHRI PRASHANT	15
5	Ku	BHELWA DISHA INDAL	AA
6	Ku	CHOUDHARI TULSI KEWALRAM	2
7		DAMAHE HIMANSHU GHANSHYAM	15
8		DANDALE SURAJ GAJANANRAO	14
9		FRANSWAH OSCAR ALYOSIS	20
10		GAJBHIYE SAMYAK VINOD	15
11		GHODMARE BHAVESH KRISHNAJI	11
12	Ku	GUHE KASTURI ASHISH	2
13	Ku	HUMANE TRUPTI SACHIN	4
14		KAKDE GAURAV DEVMAN	6
15	Ku	KAWARE RUTVIK PRABHAKAR	9
16	Ku	KOHALE NANDINI VIJAY	10
17		KURHE RUDRA ATUL	11
18	Ku	MATHANIKAR MOHINI DEORAO	12
19	Ku	MISHRA ANJALI CHANDRAMANI	11
20	Ku	NAGPURKAR AKSHATA KISAN	3
21		NIMJE HRUSHANG RAVINDRA	0
22	Ku	PADOLE LAVANYA DATTU	5
23	Ku	QAZI HUZAIFUDDIN SOHEBUDDIN	13
24		RANE HIMANSHU ARUN	15
25	Ku	SAHU PORNIMA JAYLAL	AA
26		SAKHARKAR OM VITTHAL	12
27		SANTOSHWAR YASH SUDHIR	15
28	Ku	SHIVANKAR DEVYANI SATISH	15
29	Ku	TIWARI ANCHAL RAMSUSHIL	16
30	Ku	TIWARI PRIYANSHU BALANDAR	6
31		VIRDI HARSHNEET KAUR JASPAL SINGH VIRDI	7

Batch G 1 – CGM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	BANKAR SHRUTI WAMAN	15
2		MANKAR KASHISH SHANKAR	AA
3	Ku	RAJPUT RIDDHI BHAIYALAL	12
4	Ku	RAUT PRADNYA SURESH	15
6		SHRIVASTAV ARYAMAN MANOJ	15
7	Ku	THAWARE BHUMIKA RAVINDRA	16
8	Ku	YELNE TANUSHREE DEVANAND	6

K. Gwar

Name of Teacher



K. Gwar

Head of Department

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Department of Mathematics
Science College, Congress Nagar
 Nagpur.

**Shri Shivaji Education Society Amravati's
Science College Congress Nagar Nagpur
Bachelor of Science (B. Sc.) (Semester-III) Examination
MATHEMATICS
Paper-I Unit Test I**

Time: OneHours]

[Maximum Marks: 20

N.B. :- Solve all questions, Each questions carry equal marks.

1. (A) Find integral curves of the equation $\frac{adx}{(b-c)yz} = \frac{bdy}{(c-a)zx} = \frac{cdz}{(a-b)xy}$. 5

(B) Eliminate the arbitrary function f from the equation $f(x^2 + y^2 + z^2, z^2 - 2xy) = 0$ and obtain the partial differential equation. 5

(C) Prove the necessary and sufficient condition that there exists between two functions


$u(x, y)$ and $v(x, y)$, a relation $F(u, v) = 0$ not involving x or y explicitly is that 5

$$\frac{\partial(u, v)}{\partial(x, y)} = 0.$$

(D) Verify that the equation $yz(y+z)dx + xz(x+z)dy + xy(x+y)dz = 0$ is integrable and find its primitive. 5


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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Mathematics

B. Sc. II Semester-III (2023-24)

Result on unit test held on 02/09/2023

Subject : Mathematics Paper I

Name of the teacher :- Dr.A.M.Pund

Batch M1-PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	ARVIWALA HUZEFA KHUZEMA	12
2	Ku	BAGHEL SONAM SANTOSHKUMAR	13
3	Ku	BAIG TASMIYA HAMID	11
4		BARSAGADE KALASH SUDHAKAR	7
5	Ku	BAWANKULE LAXMI DEVIDAS	8
6	Ku	BHASMOTE ARADHANA RAJENDRA	9
7	Ku	CHANNE TANISHKA PRAVEEN	8
8	Ku	DATIR PRANJALI ANKALESH	7
9	Ku	DESHMUKH JANHAVI VIRENDRA	0
10		DHOK SOKSHAM NISHANT	AA
11	Ku	FULKUWAR PRIYA SANTOSH	AA
12	Ku	GAJBHIYE SWEJAL PRASHANT	10
13	Ku	GONNADE MADHURIMA SHAILESH	20
14	Ku	IRGURALA VIDYA CHANDRAIAH	5
15	Ku	JIBHEKAR SAMRUDDHI KISHOR	2
16	Ku	KALE AVANI PREMDAS	1
17	Ku	KHADSE CHETANA MORESHWAR	0
18	Ku	KUBADE TEJASWI MOTIRAM	8
Batch M2-PCM			
Sr.No.	Name of the Students		Marks out of 20
1		LOKHANDE KASHISH SUHAS	12
2	Ku	LUTE SUHANI RAMESHWAR	13
3	Ku	MENDWADE AISHWARYA PRAKASH	11
4		NAMDEO ARYAN UMASHANKAR	7
5		PAIGAMI MANISH RAJENDRA	8
6	Ku	PAL VAISHNAVI VINOD	9
7	Ku	SAHU APURVA TAPAN	8
8	Ku	SAPATE PORNIMA PRABHU	7
9	Ku	SONTAKKE RAJVEE SAROJ	0
10	Ku	THAKARE SUHANI SUKHADEO	AA
11	Ku	THAKUR KRITI AINKATRAO	AA
12	Ku	TOMAR TANU LXANDERKUMAR	10
13	Ku	TONGE SUHANI ANAND	20
14		VYAS HIMANSHU MUKESH	5

15		WAHANE PREMANSHU ANIL	2
16	Ku	WAHANE TEJASVI PRAVIN	1
17	Ku	WASNIK RUTIKA VINAYAK	0
Batch M 3,4 –PEM			
Sr.No.	Name of the Students		Marks out of 20
1		BORKAR OM GAJANAN	10
2		CHANIANA KIRANPREET KAUR SARVJEET SINGH	13
3	Ku	DUBEY ISHA ROSHAN	12
4		FULZELE KASHISH GAJENDRA	8
5	Ku	GOWARDIPE KAJAL PURUSHOTTAM	7
6		HEDAPO DHIRAJ RAJENDRA	5
7		KAMBLE NAYAN ASHOK	9
8	Ku	KANGALE ACHAL RUSHI	15
9		KHOTELE MAYANK HEMANTKUMAR	18
10		MISHRA SHASHWAT RAMAKANT	AA
11		MONDHE VISHAL VISHWANATH	AA
12		SINGH KASHISH NAGENDRA	0
13	Ku	SINGH SHEETAL AZAD	3
14	Ku	SONWANE BHAGYASHREE CHANDRAKUMAR	8
15	Ku	YADAV TAMANNA VIJAY	17

Batch M 6 – PCSM

Sr.No.	Name of the Students		Marks out of 20
1		BAWANKULE ANURAG AVIN	10
2		BHOTMANGE YASH ASHOKRAO	13
3	Ku	BHUTE VAISHNAVI CHANDRASHEKHAR	12
4	Ku	CHANODE SONU SHESHRAO	8
5	Ku	CHAUDHARI SANIKA RAVINDRA	7
6		DABHADE SAURABH DADARAO	5
7	Ku	DAKHOLE MUGDHA RAJESH	9
8		DANGORE SOHAM NITIN	15
9	Ku	DHABRE VAISHNAVI DHIRAJ	18
10	Ku	DHAWADE SHRAWANI DATTA	AA
11		DOLAS SAHARSH SURESH	AA
12	Ku	GAIDHANE SMITA PURUSHOTTAM	0
13		GAIKI VEDANT PRASHANT	3
14	Ku	GANVIR SALONI RAJKUMAR	8
15	Ku	GIRDE CHETNA PRAKASH	17
16	Ku	HEDAU SAYLI VIVEK	13
17		JANGDE DEVANSH SANJAY	11
18	Ku	KAMBLE DIVYA DINESH	12
19	Ku	KAROKAR SHEJAL DIPAK	12
20	Ku	KASHIKAR SANIKA RAHUL	17
21	Ku	KHANDATE NEHA KISAN	8
22	Ku	KHARWALE ASHWINI RATIRAM	0

Batch M 7 – PCSM

Sr.No.	Name of the Students		Marks out of 20
---------------	-----------------------------	--	------------------------

1	Ku	MAMULKAR RAJVI PRASHANT	10
2	Ku	MANKAR SAYALI DEVRAO	13
3	Ku	MARWADE SANIKA BHASKAR	12
4	Ku	MASKE MADHURA SUNIL	8
5	Ku	MOURYA HARSHIT PRAMOD	7
6	Ku	NASARE NIKHIL NARAYAN	5
7	Ku	NASARE RAHUL RAJENDRA	9
8	Ku	NIRANJANE VRUDDHI SAWAN	15
9	Ku	PARDHI CHETANA MANISH	18
10	Ku	PATIL PRERNA HANAMANT	AA
11	Ku	RADKE GUNJAN BHASHKAR	3
12		RAMTEKE SHASHANK NITIN	4
13	Ku	RATTHE ARYA VINOD	9
14	Ku	SAHU DEVSHRI ASHOK	16
15		SHIVHARE HARSHIT VIKRAM	12
16		SULAKHE MANDAR CHANDRASHEKHAR	11
17		SURYAWANSHI VAIBHAV DURYODHAN	10
18	Ku	TALNIKAR LAVANYA RAMAKANT	7
19	Ku	THAKARE PRACHI DILIP	0
20	Ku	TIWARI PRIYA RAKESHKUMAR	AA
21		TUBID YASHWARDHAN SIDHESHWAR	3

Batch M 8 – SCSM

Sr.No.		Name of the Students	Marks out of 20
1		BANGRE ARPIT MANOJ	10
2		BATWE HRUSHIKESH SANJAY	13
3	Ku	BHAYDE PRATEEKSHA PRAVIN	12
4		BHENDARKAR KHUSHRANG JAIPRAKASH	8
5	Ku	BHUJADE RUTUJA RAJENDRA	7
6		BISEN SAGAR ARUN	5
7	Ku	BISWAS APARAJITA APURBAKUMAR	9
8		CHOUHAN SOMAY SATISH	15
9	Ku	DEWANGAN MAHENDRA GANESH	18
10	Ku	DUDHANKAR RUPALI RAJESH	AA
11		FULMALI HITESH SANTOSH	3
12	Ku	GAJBHIYE YASH RAJU	4
13	Ku	GAWANDE AMRUTA VIJAY	9
14	Ku	GAWANDE NEHA GAJENDRA	16
15	Ku	GONDANE ISHA DINESH	12
16	Ku	GUPTA PRINCY ASHOK	11
17	Ku	GUPTA VAISHNAVI BHARAT	10

Batch M 9 – SCSM

Sr.No.		Name of the Students	Marks out of 20
1		INGLE AJINKYA MAHENDRA	12
2	Ku	KARANDE ASTHA GANGADHAR	2
3		KHODE YASH SANJAY	3
4	Ku	KUI TE ANUSHKA VINOD	11

5	Ku	LICHADE AYUSHI KRISHNA	16
6	Ku	LOKHANDE AKANSHA ARVIND	7
7	Ku	MOHADIKAR AKSHITA PUSHPARAJ	0
8	Ku	NAGRIKAR ANUJA JAYANT	12
9	Ku	PANDEY KAMAL BRIJESH	16
10	Ku	PARATE PRANJAL JEEVAN	15
11	Ku	RAUT RAKSHA GAJANAN	17
12	Ku	SATFALE RAKSHA SANJAY	12
13	Ku	SINGALWAR FALGUNI ANIL	12
14	Ku	TOMAR ATHARVA JITENDRA	AA
15	Ku	WAGDE ASHLESHA YUVRAJ	AA
16	Ku	WAGHE SAKSHI SANDIP	20
17	Ku	YADAV SEJAL ASHOK	4

Batch M 10 – ECSM

Sr. No.		Name of the Students	Marks out of 20
1	Ku	AKRE KHUSHI KAILASH	12
2	Ku	BAGDE SHREYA TARACHAND	2
3	Ku	BARDE YASHIKA KUNDLIK	3
4		BHATTALWAR VARAD ATUL	11
5		CHANDEL JAY MANOJSINGH	16
6		CHAVAN PRATIK PREMDAS	7
7		DAWARE SARVESH SUDHIR	0
8	Ku	DOBLE VAISHNAVI GAJANAN	12
9	Ku	GHORMARE KRUTIKA ANKUSH	16
10		GHUGAL ABHISHAKTI HARIBHAU	15
11		HULKE VINAY MORESHWAR	17
12	Ku	KANHER JANHVI PANDHARI	12
13	Ku	KODANE PUNESHA DILIP	12
14	Ku	LENDE SANJANA KISHORJI	AA
15	Ku	LUTE HIMANSHI RAMESH	AA
16	Ku	MANKAR UJJWAL RAJESH	20
17	Ku	MOHATURE TANHVI CHANDRASHEKHAR	4
18		UMREDKAR HARSHAL RAJESH	8


Batch G 1 – CGM

Sr.No.		Name of the Students	Marks out of 20
1	Ku	BAGHELE AARTI OMSHANKAR	10
2	Ku	BHONDGE KUNALI SATISH	13
3	Ku	BOMBARDE SHREYA VIJAY	12
4	Ku	CHOUDHARI NANDINI DINKAR	8
5	Ku	DHARMIK DEVASHREE BHAURAO	7
6	Ku	DHOKE SANJANA ANKUSH	5
7		DHUDSE ADITYA RITESH	9
8	Ku	GUDADHE VINA DILIP	15
9	Ku	KALE SUMATI SANJAY	18
10		KHARE JATIN SURESH	AA
11	Ku	KOSEKAR KOMAL KISANA	3

12	Ku	MEHAR HIMANSHI VIJAY	4
13	Ku	NANDANWAR SALONI ARUN	9
14		NEMADE RAM ARUN	16
15	Ku	PATEWAR SHARVARI MANIKRAO	12
16	Ku	RAUT MOHINI MANOHAR	11
17		SAWARKAR SWAYAM KISHOR	10
18	Ku	UIKEY KRITIKA YOGESH	7
19		WAHALE PRESHIT RAJESH	0
20	Ku	WANKAR NANDINI LAXMAN	AA
21	Ku	WANKHEDE SNEHAL SANJAY	3
22	Ku	RAUT MOHINI MANOHAR	11
23		SAWARKAR SWAYAM KISHOR	12
24	Ku	UIKEY KRITIKA YOGESH	13
25	Ku	WAHALE PRESHIT RAJESH	14
26	Ku	WANKHEDE SNEHAL SANJAY	16
27	Ku	WANKAR NANDINI LAXMAN	3


Name of Teacher




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**Shri Shivaji Education Society Amravati's
Science College Congress Nagar Nagpur
Bachelor of Science (B. Sc.) (Semester-III) Examination
MATHEMATICS
Paper-I Unit Test II**

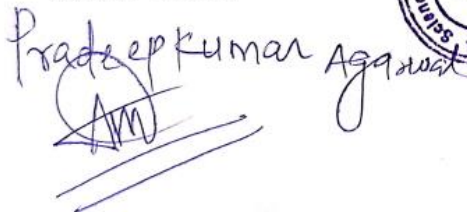
Time: OneHours]

[Maximum Marks: 20


N.B. :- Solve all questions, Each questions carry equal marks.

- 1.(A) Prove that the general solution of the linear partial differential equation $Pp + Qq = R$ is $F(u, v) = 0$ where F is an arbitrary function $u(x, y, z) = c_1$ and $v(x, y, z) = c_2$ form a solution of the equations $\frac{dx}{P} = \frac{dy}{Q} = \frac{dz}{R}$ 5
- (B) Find the general integral of the equation $y^2 p - xyq = x(z - 2y)$. 5
- (C) Find the integral surface of the equation $2y(z - 3)p + (2x - z)q = y(2x - 3)$ which passes through the circle $x^2 + y^2 = 2x, z = 0$. 5
- (D) Find the complete integral of $p^2 x + q^2 y = z$ by Jacobi's method. 5

Name of Teacher

Pradeep Kumar Aggarwal





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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Mathematics

B. Sc. II Semester-III & IV (2023-24)

Result on unit test held on 27/10/2023

Subject : Mathematics Paper I

Name of the teacher :- Pradip Agarwal

Batch M1-PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	ARVIWALA HUZEFA KHUZEMA	0
2	Ku	BAGHEL SONAM SANTOSHKUMAR	AA
3	Ku	BAIG TASMIYA HAMID	AA
4		BARSAGADE KALASH SUDHAKAR	10
5	Ku	BAWANKULE LAXMI DEVIDAS	20
6	Ku	BHASMOTE ARADHANA RAJENDRA	5
7	Ku	CHANNE TANISHKA PRAVEEN	2
8	Ku	DATIR PRANJALI ANKALESH	1
9	Ku	DESHMUKH JANHAVI VIRENDRA	0
10		DHOK SOKSHAM NISHANT	8
11	Ku	FULKUWAR PRIYA SANTOSH	12
12	Ku	GAJBHIYE SWEJAL PRASHANT	13
13	Ku	GONNADE MADHURIMA SHAILESH	11
14	Ku	IRGURALA VIDYA CHANDRAIAH	7
15	Ku	JIBHEKAR SAMRUDDHI KISHOR	8
16	Ku	KALE AVANI PREMDAS	9
17	Ku	KHADSE CHETANA MORESHWAR	8
18	Ku	KUBADE TEJASWI MOTIRAM	7
Batch M2-PCM			
Sr.No.	Name of the Students		Marks out of 20
1		LOKHANDE KASHISH SUHAS	12
2	Ku	LUTE SUHANI RAMESHWAR	13
3	Ku	MENDWADE AISHWARYA PRAKASH	11
4		NAMDEO ARYAN UMASHANKAR	7
5		PAIGAMI MANISH RAJENDRA	8
6	Ku	PAL VAISHNAVI VINOD	9
7	Ku	SAHU APURVA TAPAN	5
8	Ku	SAPATE PORNIMA PRABHU	2
9	Ku	SONTAKKE RAJVEE SAROJ	1
10	Ku	THAKARE SUHANI SUKHADEO	0
11	Ku	THAKUR KRITI AINKATRAO	8
12	Ku	TOMAR TANU LXANDERKUMAR	7
13	Ku	TONGE SUHANI ANAND	0
14		VYAS HIMANSHU MUKESH	AA
15		WAHANE PREMANSHU ANIL	AA
16	Ku	WAHANE TEJASVI PRAVIN	10
17	Ku	WASNIK RUTIKA VINAYAK	20

Batch M 3,4 –PEM			
Sr.No.	Name of the Students		Marks out of 20
1		BORKAR OM GAJANAN	10
2		CHANIANA KIRANPREET KAUR SARVJEET SINGH	13
3	Ku	DUBEY ISHA ROSHAN	12
4		FULZELE KASHISH GAJENDRA	8
5	Ku	GOWARDIPE KAJAL PURUSHOTTAM	7
6		HEDAPOO DHIRAJ RAJENDRA	5
7		KAMBLE NAYAN ASHOK	9
8	Ku	KANGALE ACHAL RUSHI	15
9		KHOTELE MAYANK HEMANTKUMAR	18
10		MISHRA SHASHWAT RAMAKANT	AA
11		MONDHE VISHAL VISHWANATH	AA
12		SINGH KASHISH NAGENDRA	0
13	Ku	SINGH SHEETAL AZAD	3
14	Ku	SONWANE BHAGYASHREE CHANDRAKUMAR	8
15	Ku	YADAV TAMANNA VIJAY	17

Batch M 6 – PCSM

Sr.No.	Name of the Students		Marks out of 20
1		BAWANKULE ANURAG AVIN	10
2		BHOTMANGE YASH ASHOKRAO	13
3	Ku	BHUTE VAISHNAVI CHANDRASHEKHAR	12
4	Ku	CHANODE SONU SHESHRAO	8
5	Ku	CHAUDHARI SANIKA RAVINDRA	7
6		DABHADE SAURABH DADARAO	5
7	Ku	DAKHOLE MUGDHA RAJESH	9
8		DANGORE SOHAM NITIN	15
9	Ku	DHABRE VAISHNAVI DHIRAJ	18
10	Ku	DHAWADE SHRAWANI DATTA	AA
11		DOLAS SAHARSH SURESH	AA
12	Ku	GAIDHANE SMITA PURUSHOTTAM	0
13		GAIKI VEDANT PRASHANT	3
14	Ku	GANVIR SALONI RAJKUMAR	8
15	Ku	GIRDE CHETNA PRAKASH	17
16	Ku	HEDAU SAYLI VIVEK	13
17		JANGDE DEVANSH SANJAY	11
18	Ku	KAMBLE DIVYA DINESH	12
19	Ku	KAROKAR SHEJAL DIPAK	12
20	Ku	KASHIKAR SANIKA RAHUL	17
21	Ku	KHANDATE NEHA KISAN	8
22	Ku	KHARWALE ASHWINI RATIRAM	0

Batch M 7 – PCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	MAMULKAR RAJVI PRASHANT	10
2	Ku	MANKAR SAYALI DEVRAO	13
3	Ku	MARWADE SANIKA BHASKAR	12

4	Ku	MASKE MADHURA SUNIL	8
5	Ku	MOURYA HARSHIT PRAMOD	7
6	Ku	NASARE NIKHIL NARAYAN	5
7	Ku	NASARE RAHUL RAJENDRA	9
8	Ku	NIRANJANE VRUDDHI SAWAN	15
9	Ku	PARDHI CHETANA MANISH	18
10	Ku	PATIL PRERNA HANAMANT	AA
11	Ku	RADKE GUNJAN BHASHKAR	3
12		RAMTEKE SHASHANK NITIN	4
13	Ku	RATTHE ARYA VINOD	9
14	Ku	SAHU DEVSHRI ASHOK	16
15		SHIVHARE HARSHIT VIKRAM	12
16		SULAKHE MANDAR CHANDRASHEKHAR	11
17		SURYAWANSHI VAIBHAV DURYODHAN	10
18	Ku	TALNIKAR LAVANYA RAMAKANT	7
19	Ku	THAKARE PRACHI DILIP	0
20	Ku	TIWARI PRIYA RAKESHKUMAR	AA
21		TUBID YASHWARDHAN SIDHESHWAR	3

Batch M 8 – SCSM

Sr.No.		Name of the Students	Marks out of 20
1		BANGRE ARPIT MANOJ	10
2		BATWE HRUSHIKESH SANJAY	13
3	Ku	BHAYDE PRATEEKSHA PRAVIN	12
4		BHENDARKAR KHUSHRANG JAIPRAKASH	8
5	Ku	BHUJADE RUTUJA RAJENDRA	7
6		BISEN SAGAR ARUN	5
7	Ku	BISWAS APARAJITA APURBAKUMAR	9
8		CHOUHAN SOMAY SATISH	15
9	Ku	DEWANGAN MAHENDRA GANESH	18
10	Ku	DUDHANKAR RUPALI RAJESH	AA
11		FULMALI HITESH SANTOSH	3
12	Ku	GAJBHIYE YASH RAJU	4
13	Ku	GAWANDE AMRUTA VIJAY	9
14	Ku	GAWANDE NEHA GAJENDRA	16
15	Ku	GONDANE ISHA DINESH	12
16	Ku	GUPTA PRINCY ASHOK	11
17	Ku	GUPTA VAISHNAVI BHARAT	10

Batch M 9 – SCSM

Sr.No.		Name of the Students	Marks out of 20
1		INGLE AJINKYA MAHENDRA	12
2	Ku	KARANDE ASTHA GANGADHAR	2
3		KHODE YASH SANJAY	3
4	Ku	KUITE ANUSHKA VINOD	11
5	Ku	LICHADE AYUSHI KRISHNA	16
6	Ku	LOKHANDE AKANSHA ARVIND	7
7	Ku	MOHADIKAR AKSHITA PUSHPARAJ	0

8	Ku	NAGRIKAR ANUJA JAYANT	12
9	Ku	PANDEY KAMAL BRIJESH	16
10	Ku	PARATE PRANJAL JEEVAN	15
11	Ku	RAUT RAKSHA GAJANAN	17
12	Ku	SATFALE RAKSHA SANJAY	12
13	Ku	SINGALWAR FALGUNI ANIL	12
14	Ku	TOMAR ATHARVA JITENDRA	AA
15	Ku	WAGDE ASHLESHA YUVRAJ	AA
16	Ku	WAGHE SAKSHI SANDIP	20
17	Ku	YADAV SEJAL ASHOK	4

Batch M 10 – ECSM

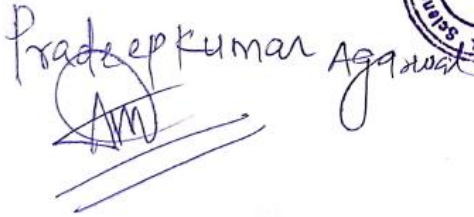
Sr. No.	Name of the Students		Marks out of 20
1	Ku	AKRE KHUSHI KAILASH	12
2	Ku	BAGDE SHREYA TARACHAND	2
3	Ku	BARDE YASHIKA KUNDLIK	3
4		BHATTALWAR VARAD ATUL	11
5		CHANDEL JAY MANOJSINGH	16
6		CHAVAN PRATIK PREMDAS	7
7		DAWARE SARVESH SUDHIR	0
8	Ku	DOBLE VAISHNAVI GAJANAN	12
9	Ku	GHORMARE KRUTIKA ANKUSH	16
10		GHUGAL ABHISHAKTI HARIBHAU	15
11		HULKE VINAY MORESHWAR	17
12	Ku	KANHER JANHVI PANDHARI	12
13	Ku	KODANE PUNESHA DILIP	12
14	Ku	LENDE SANJANA KISHORJI	AA
15	Ku	LUTE HIMANSHI RAMESH	AA
16	Ku	MANKAR UJJWAL RAJESH	20
17	Ku	MOHATURE TANHVI CHANDRASHEKHAR	4
18		UMREDKAR HARSHAL RAJESH	8

Batch G 1 – CGM


Sr.No.	Name of the Students		Marks out of 20
1	Ku	BAGHELE AARTI OMSHANKAR	10
2	Ku	BHONDGE KUNALI SATISH	13
3	Ku	BOMBARDE SHREYA VIJAY	12
4	Ku	CHOUDHARI NANDINI DINKAR	8
5	Ku	DHARMIK DEVASHREE BHAURAO	7
6	Ku	DHOKE SANJANA ANKUSH	5
8	Ku	GUDADHE VINA DILIP	15
9	Ku	KALE SUMATI SANJAY	18
10		KHARE JATIN SURESH	AA
11	Ku	KOSEKAR KOMAL KISANA	3
12	Ku	MEHAR HIMANSHI VIJAY	4
13	Ku	NANDANWAR SALONI ARUN	9
14		NEMADE RAM ARUN	16
15	Ku	PATEWAR SHARVARI MANIKRAO	12

16	Ku	RAUT MOHINI MANOHAR	11
17		SAWARKAR SWAYAM KISHOR	10
18	Ku	UIKEY KRITIKA YOGESH	7
19		WAHALE PRESHIT RAJESH	0
20	Ku	WANKAR NANDINI LAXMAN	AA
21	Ku	WANKHEDE SNEHAL SANJAY	3
22	Ku	RAUT MOHINI MANOHAR	11
23		SAWARKAR SWAYAM KISHOR	12
24	Ku	UIKEY KRITIKA YOGESH	13
25	Ku	WAHALE PRESHIT RAJESH	14
26	Ku	WANKHEDE SNEHAL SANJAY	16
27	Ku	WANKAR NANDINI LAXMAN	3

Name of Teacher

Pradeep Kumar Aggarwal





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**Shri Shivaji Education Society Amravati's
Science College Congress Nagar Nagpur
Bachelor of Science (B. Sc.) (Semester-III) Examination
MATHEMATICS
Paper-II Unit Test I**

Time: OneHours]


[Maximum Marks: 20

N.B. :- Solve all questions, Each questions carry equal marks.

1. (A) Define a group G , then prove that: 5
(i) The identity element of a group G is unique
(ii) Every element of a group G has unique inverse in G .
(B) Show that the set of cube roots of unity forms an abelian group with respect to the usual multiplication of numbers. 5
(C) Define a subgroup. Prove that a nonempty subset H of the group G is a subgroup of G if and only if $a, b \in H \Rightarrow aob^{-1} \in H$.. 5
(D) If G is a finite group and H is a subgroup of G then prove that $O(H)$ is a divisor of $O(G)$. 5


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Department of Mathematics

B. Sc. II Semester-III & IV (2023-24)

Result on unit test held on 28/09/2023

Subject : Mathematics Paper II

Name of the teacher :- Priti Nandeshwar

Batch M1-PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	ARVIWALA HUZEFA KHUZEMA	0
2	Ku	BAGHEL SONAM SANTOSHKUMAR	AA
3	Ku	BAIG TASMIYA HAMID	AA
4		BARSAGADE KALASH SUDHAKAR	10
5	Ku	BAWANKULE LAXMI DEVIDAS	20
6	Ku	BHASMOTE ARADHANA RAJENDRA	5
7	Ku	CHANNE TANISHKA PRAVEEN	2
8	Ku	DATIR PRANJALI ANKALESH	1
9	Ku	DESHMUKH JANHAVI VIRENDRA	0
10		DHOK SOKSHAM NISHANT	8
11	Ku	FULKUWAR PRIYA SANTOSH	12
12	Ku	GAJBHIYE SWEJAL PRASHANT	13
13	Ku	GONNADE MADHURIMA SHAILESH	11
14	Ku	IRGURALA VIDYA CHANDRAIAH	7
15	Ku	JIBHEKAR SAMRUDDHI KISHOR	8
16	Ku	KALE AVANI PREMDAS	9
17	Ku	KHADSE CHETANA MORESHWAR	8
18	Ku	KUBADE TEJASWI MOTIRAM	7
Batch M2-PCM			
Sr.No.	Name of the Students		Marks out of 20
1		LOKHANDE KASHISH SUHAS	12
2	Ku	LUTE SUHANI RAMESHWAR	13
3	Ku	MENDWADE AISHWARYA PRAKASH	11
4		NAMDEO ARYAN UMASHANKAR	7
5		PAIGAMI MANISH RAJENDRA	8
6	Ku	PAL VAISHNAVI VINOD	9
7	Ku	SAHU APURVA TAPAN	5
8	Ku	SAPATE PORNIMA PRABHU	2
9	Ku	SONTAKKE RAJVEE SAROJ	1
10	Ku	THAKARE SUHANI SUKHADEO	0
11	Ku	THAKUR KRITI AINKATRAO	8
12	Ku	TOMAR TANU LXANDERKUMAR	7
13	Ku	TONGE SUHANI ANAND	0
14		VYAS HIMANSHU MUKESH	AA
15		WAHANE PREMANSHU ANIL	AA
16	Ku	WAHANE TEJASVI PRAVIN	10
17	Ku	WASNIK RUTIKA VINAYAK	20

Batch M 3,4 –PEM			
Sr.No.	Name of the Students		Marks out of 20
1		BORKAR OM GAJANAN	10
2		CHANIANA KIRANPREET KAUR SARVJEET SINGH	13
3	Ku	DUBEY ISHA ROSHAN	12
4		FULZELE KASHISH GAJENDRA	8
5	Ku	GOWARDIPE KAJAL PURUSHOTTAM	7
6		HEDAOO DHIRAJ RAJENDRA	5
7		KAMBLE NAYAN ASHOK	9
8	Ku	KANGALE ACHAL RUSHI	15
9		KHOTELE MAYANK HEMANTKUMAR	18
10		MISHRA SHASHWAT RAMAKANT	AA
11		MONDHE VISHAL VISHWANATH	AA
12		SINGH KASHISH NAGENDRA	0
13	Ku	SINGH SHEETAL AZAD	3
14	Ku	SONWANE BHAGYASHREE CHANDRAKUMAR	8
15	Ku	YADAV TAMANNA VIJAY	17

Batch M 6 – PCSM			
Sr.No.	Name of the Students		Marks out of 20
1		BAWANKULE ANURAG AVIN	10
2		BHOTMANGE YASH ASHOKRAO	13
3	Ku	BHUTE VAISHNAVI CHANDRASHEKHAR	12
4	Ku	CHANODE SONU SHESHRAO	8
5	Ku	CHAUDHARI SANIKA RAVINDRA	7
6		DABHADE SAURABH DADARAO	5
7	Ku	DAKHOLE MUGDHA RAJESH	9
8		DANGORE SOHAM NITIN	15
9	Ku	DHABRE VAISHNAVI DHIRAJ	18
10	Ku	DHAWADE SHRAWANI DATTA	AA
11		DOLAS SAHARSH SURESH	AA
12	Ku	GAIDHANE SMITA PURUSHOTTAM	0
13		GAIKI VEDANT PRASHANT	3
14	Ku	GANVIR SALONI RAJKUMAR	8
15	Ku	GIRDE CHETNA PRAKASH	17
16	Ku	HEDAU SAYLI VIVEK	13
17		JANGDE DEVANSH SANJAY	11
18	Ku	KAMBLE DIVYA DINESH	12
19	Ku	KAROKAR SHEJAL DIPAK	12
20	Ku	KASHIKAR SANIKA RAHUL	17
21	Ku	KHANDATE NEHA KISAN	8
22	Ku	KHARWALE ASHWINI RATIRAM	0

Batch M 7 – PCSM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	MAMULKAR RAJVI PRASHANT	10
2	Ku	MANKAR SAYALI DEVRAO	13
3	Ku	MARWADE SANIKA BHASKAR	12

4	Ku	MASKE MADHURA SUNIL	8
5	Ku	MOURYA HARSHIT PRAMOD	7
6	Ku	NASARE NIKHIL NARAYAN	5
7	Ku	NASARE RAHUL RAJENDRA	9
8	Ku	NIRANJANE VRUDDHI SAWAN	15
9	Ku	PARDHI CHETANA MANISH	18
10	Ku	PATIL PRERNA HANAMANT	AA
11	Ku	RADKE GUNJAN BHASHKAR	3
12		RAMTEKE SHASHANK NITIN	4
13	Ku	RATTHE ARYA VINOD	9
14	Ku	SAHU DEVSHRI ASHOK	16
15		SHIVHARE HARSHIT VIKRAM	12
16		SULAKHE MANDAR CHANDRASHEKHAR	11
17		SURYAWANSHI VAIBHAV DURYODHAN	10
18	Ku	TALNIKAR LAVANYA RAMAKANT	7
19	Ku	THAKARE PRACHI DILIP	0
20	Ku	TIWARI PRIYA RAKESHKUMAR	AA
21		TUBID YASHWARDHAN SIDHESHWAR	3

Batch M 8 – SCSM

Sr.No.		Name of the Students	Marks out of 20
1		BANGRE ARPIT MANOJ	10
2		BATWE HRUSHIKESH SANJAY	13
3	Ku	BHAYDE PRATEEKSHA PRAVIN	12
4		BHENDARKAR KHUSHRANG JAIPRAKASH	8
5	Ku	BHUJADE RUTUJA RAJENDRA	7
6		BISEN SAGAR ARUN	5
7	Ku	BISWAS APARAJITA APURBAKUMAR	9
8		CHOUHAN SOMAY SATISH	15
9	Ku	DEWANGAN MAHENDRA GANESH	18
10	Ku	DUDHANKAR RUPALI RAJESH	AA
11		FULMALI HITESH SANTOSH	3
12	Ku	GAJBHIYE YASH RAJU	4
13	Ku	GAWANDE AMRUTA VIJAY	9
14	Ku	GAWANDE NEHA GAJENDRA	16
15	Ku	GONDANE ISHA DINESH	12
16	Ku	GUPTA PRINCY ASHOK	11
17	Ku	GUPTA VAISHNAVI BHARAT	10

Batch M 9 – SCSM

Sr.No.		Name of the Students	Marks out of 20
1		INGLE AJINKYA MAHENDRA	12
2	Ku	KARANDE ASTHA GANGADHAR	2
3		KHODE YASH SANJAY	3
4	Ku	KUITE ANUSHKA VINOD	11
5	Ku	LICHADDE AYUSHI KRISHNA	16
6	Ku	LOKHANDE AKANSHA ARVIND	7
7	Ku	MOHADIKAR AKSHITA PUSHPARAJ	0

8	Ku	NAGRIKAR ANUJA JAYANT	12
9	Ku	PANDEY KAMAL BRIJESH	16
10	Ku	PARATE PRANJAL JEEVAN	15
11	Ku	RAUT RAKSHA GAJANAN	17
12	Ku	SATFALE RAKSHA SANJAY	12
13	Ku	SINGALWAR FALGUNI ANIL	12
14	Ku	TOMAR ATHARVA JITENDRA	AA
15	Ku	WAGDE ASHLESHA YUVRAJ	AA
16	Ku	WAGHE SAKSHI SANDIP	20
17	Ku	YADAV SEJAL ASHOK	4

Batch M 10 – ECSM

Sr. No.		Name of the Students	Marks out of 20
1	Ku	AKRE KHUSHI KAILASH	12
2	Ku	BAGDE SHREYA TARACHAND	2
3	Ku	BARDE YASHIKA KUNDLIK	3
4		BHATTALWAR VARAD ATUL	11
5		CHANDEL JAY MANOJSINGH	16
6		CHAVAN PRATIK PREMDAS	7
7		DAWARE SARVESH SUDHIR	0
8	Ku	DOBLE VAISHNAVI GAJANAN	12
9	Ku	GHORMARE KRUTIKA ANKUSH	16
10		GHUGAL ABHISHAKTI HARIBHAU	15
11		HULKE VINAY MORESHWAR	17
12	Ku	KANHER JANHVI PANDHARI	12
13	Ku	KODANE PUNESHA DILIP	12
14	Ku	LENDE SANJANA KISHORJI	AA
15	Ku	LUTE HIMANSHI RAMESH	AA
16	Ku	MANKAR UJJWAL RAJESH	20
17	Ku	MOHATURE TANHVI CHANDRASHEKHAR	4
18		UMREDKAR HARSHAL RAJESH	8

Batch G 1 – CGM

Sr.No.		Name of the Students	Marks out of 20
1	Ku	BAGHELE AARTI OMSHANKAR	10
2	Ku	BHONDGE KUNALI SATISH	13
3	Ku	BOMBARDE SHREYA VIJAY	12
4	Ku	CHOUDHARI NANDINI DINKAR	8
5	Ku	DHARMIK DEVASHREE BHAURAO	7
6	Ku	DHOKE SANJANA ANKUSH	5
8	Ku	GUDADHE VINA DILIP	15
9	Ku	KALE SUMATI SANJAY	18
10		KHARE JATIN SURESH	AA
11	Ku	KOSEKAR KOMAL KISANA	3
12	Ku	MEHAR HIMANSHI VIJAY	4
13	Ku	NANDANWAR SALONI ARUN	9
14		NEMADE RAM ARUN	16

15	Ku	PATEWAR SHARVARI MANIKRAO	12
16	Ku	RAUT MOHINI MANOHAR	11
17		SAWARKAR SWAYAM KISHOR	10
18	Ku	UIKEY KRITIKA YOGESH	7
19		WAHALE PRESHIT RAJESH	0
20	Ku	WANKAR NANDINI LAXMAN	AA
21	Ku	WANKHEDE SNEHAL SANJAY	3
22	Ku	RAUT MOHINI MANOHAR	11
23		SAWARKAR SWAYAM KISHOR	12
24	Ku	UIKEY KRITIKA YOGESH	13
25	Ku	WAHALE PRESHIT RAJESH	14
26	Ku	WANKHEDE SNEHAL SANJAY	16
27	Ku	WANKAR NANDINI LAXMAN	3

[Handwritten Signature]

Name of Teacher



[Handwritten Signature]

HEAD
Department of Mathematics
Science College, Congress Nagar,
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 Head of Department

Shri Shivaji Education Society Amravati's
Science College Congress Nagar Nagpur
Bachelor of Science (B. Sc.) (Semester-III) Examination
MATHEMATICS
Paper-II Unit Test II

Time: OneHours]

[Maximum Marks: 20

N.B. :- Solve all questions, Each questions carry equal marks.

1. (A) If λ_j and λ_k are roots of the equation $J_n(\lambda_a) = 0$ then prove that $\int_0^1 x J_n(\lambda_j x) J_n(\lambda_k x) dx = 0$ if $j \neq k$.

(B) Prove that :

(i) $\frac{d}{dx} [x \cdot J_n(x) \cdot J_{n+1}(x)] = x [J_n^2(x) - J_{n+1}^2(x)]$

(ii) $\frac{d}{dx} [J_n(x)] = J_{n-1}(x) - \frac{n}{x} J_n(x)$.

(C) Show that :

$$\int_{-1}^1 P_m(x) \cdot P_n(x) dx = 0 \text{ if } m \neq n.$$

(D) Use Rodrigue's formula to prove that :

$$\int_{-1}^1 P_n(x) dx = 0 \text{ if } n \geq 1.$$



Name of Teacher



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SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Mathematics

B. Sc. II Semester-III & IV (2023-24)

Result on unit test held on 02/11/2023

Subject : Mathematics Paper II

Name of the teacher :- Prof. Kalpana Pawar

Batch M1-PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	ARVIWALA HUZEFA KHUZEMA	0
2	Ku	BAGHEL SONAM SANTOSHKUMAR	AA
3	Ku	BAIG TASMIYA HAMID	AA
4		BARSAGADE KALASH SUDHAKAR	10
5	Ku	BAWANKULE LAXMI DEVIDAS	20
6	Ku	BHASMOTE ARADHANA RAJENDRA	5
7	Ku	CHANNE TANISHKA PRAVEEN	2
8	Ku	DATIR PRANJALI ANKALESH	1
9	Ku	DESHMUKH JANHAVI VIRENDRA	0
10		DHOK SOKSHAM NISHANT	8
11	Ku	FULKUWAR PRIYA SANTOSH	12
12	Ku	GAJBHIYE SWEJAL PRASHANT	13
13	Ku	GONNADE MADHURIMA SHAILESH	11
14	Ku	IRGURALA VIDYA CHANDRAIAH	7
15	Ku	JIBHEKAR SAMRUDDHI KISHOR	8
16	Ku	KALE AVANI PREMDAS	9
17	Ku	KHADSE CHETANA MORESHWAR	8
18	Ku	KUBADE TEJASWI MOTIRAM	7
Batch M2-PCM			
Sr.No.	Name of the Students		Marks out of 20
1		LOKHANDE KASHISH SUHAS	12
2	Ku	LUTE SUHANI RAMESHWAR	13
3	Ku	MENDWADE AISHWARYA PRAKASH	11
4		NAMDEO ARYAN UMASHANKAR	7
5		PAIGAMI MANISH RAJENDRA	8
6	Ku	PAL VAISHNAVI VINOD	9
7	Ku	SAHU APURVA TAPAN	5
8	Ku	SAPATE PORNIMA PRABHU	2
9	Ku	SONTAKKE RAJVEE SAROJ	1
10	Ku	THAKARE SUHANI SUKHADEO	0
11	Ku	THAKUR KRITI AINKATRAO	8
12	Ku	TOMAR TANU LXANDERKUMAR	7
13	Ku	TONGE SUHANI ANAND	0
14		VYAS HIMANSHU MUKESH	AA
15		WAHANE PREMANSHU ANIL	AA
16	Ku	WAHANE TEJASVI PRAVIN	10

17	Ku	WASNIK RUTIKA VINAYAK	20
Batch M 3,4 –PEM			
Sr.No.		Name of the Students	Marks out of 20
1		BORKAR OM GAJANAN	10
2		CHANIANA KIRANPREET KAUR SARVJEET SINGH	13
3	Ku	DUBEY ISHA ROSHAN	12
4		FULZELE KASHISH GAJENDRA	8
5	Ku	GOWARDIPE KAJAL PURUSHOTTAM	7
6		HEDA00 DHIRAJ RAJENDRA	5
7		KAMBLE NAYAN ASHOK	9
8	Ku	KANGALE ACHAL RUSHI	15
9		KHOTELE MAYANK HEMANTKUMAR	18
10		MISHRA SHASHWAT RAMAKANT	AA
11		MONDHE VISHAL VISHWANATH	AA
12		SINGH KASHISH NAGENDRA	0
13	Ku	SINGH SHEETAL AZAD	3
14	Ku	SONWANE BHAGYASHREE CHANDRAKUMAR	8
15	Ku	YADAV TAMANNA VIJAY	17

Batch M 6 – PCSM			
Sr.No.		Name of the Students	Marks out of 20
1		BAWANKULE ANURAG AVIN	10
2		BHOTMANGE YASH ASHOKRAO	13
3	Ku	BHUTE VAISHNAVI CHANDRASHEKHAR	12
4	Ku	CHANODE SONU SHESHRAO	8
5	Ku	CHAUDHARI SANIKA RAVINDRA	7
6		DABHADE SAURABH DADARAO	5
7	Ku	DAKHOLE MUGDHA RAJESH	9
8		DANGORE SOHAM NITIN	15
9	Ku	DHABRE VAISHNAVI DHIRAJ	18
10	Ku	DHAWADE SHRAWANI DATTA	AA
11		DOLAS SAHARSH SURESH	AA
12	Ku	GAIDHANE SMITA PURUSHOTTAM	0
13		GAIKI VEDANT PRASHANT	3
14	Ku	GANVIR SALONI RAJKUMAR	8
15	Ku	GIRDE CHETNA PRAKASH	17
16	Ku	HEDAU SAYLI VIVEK	13
17		JANGDE DEVANSH SANJAY	11
18	Ku	KAMBLE DIVYA DINESH	12
19	Ku	KAROKAR SHEJAL DIPAK	12
20	Ku	KASHIKAR SANIKA RAHUL	17
21	Ku	KHANDATE NEHA KISAN	8
22	Ku	KHARWALE ASHWINI RATIRAM	0

Batch M 7 – PCSM			
Sr.No.		Name of the Students	Marks out of 20
1	Ku	MAMULKAR RAJVI PRASHANT	10
2	Ku	MANKAR SAYALI DEVRAO	13

3	Ku	MARWADE SANIKA BHASKAR	12
4	Ku	MASKE MADHURA SUNIL	8
5	Ku	MOURYA HARSHIT PRAMOD	7
6	Ku	NASARE NIKHIL NARAYAN	5
7	Ku	NASARE RAHUL RAJENDRA	9
8	Ku	NIRANJANE VRUDDHI SAWAN	15
9	Ku	PARDHI CHETANA MANISH	18
10	Ku	PATIL PRERNA HANAMANT	AA
11	Ku	RADKE GUNJAN BHASHKAR	3
12		RAMTEKE SHASHANK NITIN	4
13	Ku	RATTHE ARYA VINOD	9
14	Ku	SAHU DEVSHRI ASHOK	16
15		SHIVHARE HARSHIT VIKRAM	12
16		SULAKHE MANDAR CHANDRASHEKHAR	11
17		SURYAWANSHI VAIBHAV DURYODHAN	10
18	Ku	TALNIKAR LAVANYA RAMAKANT	7
19	Ku	THAKARE PRACHI DILIP	0
20	Ku	TIWARI PRIYA RAKESHKUMAR	AA
21		TUBID YASHWARDHAN SIDHESHWAR	3

Batch M 8 – SCSM

Sr.No.	Name of the Students	Marks out of 20
1	BANGRE ARPIT MANOJ	10
2	BATWE HRUSHIKESH SANJAY	13
3	Ku BHAYDE PRATEEKSHA PRAVIN	12
4	BHENDARKAR KHUSHRANG JAIPRAKASH	8
5	Ku BHUJADE RUTUJA RAJENDRA	7
6	BISEN SAGAR ARUN	5
7	Ku BISWAS APARAJITA APURBAKUMAR	9
8	CHOUHAN SOMAY SATISH	15
9	Ku DEWANGAN MAHENDRA GANESH	18
10	Ku DUDHANKAR RUPALI RAJESH	AA
11	FULMALI HITESH SANTOSH	3
12	Ku GAJBHIYE YASH RAJU	4
13	Ku GAWANDE AMRUTA VIJAY	9
14	Ku GAWANDE NEHA GAJENDRA	16
15	Ku GONDANE ISHA DINESH	12
16	Ku GUPTA PRINCY ASHOK	11
17	Ku GUPTA VAISHNAVI BHARAT	10

Batch M 9 – SCSM

Sr.No.	Name of the Students	Marks out of 20
1	INGLE AJINKYA MAHENDRA	12
2	Ku KARANDE ASTHA GANGADHAR	2
3	KHODE YASH SANJAY	3
4	Ku KUI TE ANUSHKA VINOD	11
5	Ku LICHAD E AYUSHI KRISHNA	16
6	Ku LOKHANDE AKANSHA ARVIND	7

7	Ku	MOHADIKAR AKSHITA PUSHPARAJ	0
8	Ku	NAGRIKAR ANUJA JAYANT	12
9	Ku	PANDEY KAMAL BRIJESH	16
10	Ku	PARATE PRANJAL JEEVAN	15
11	Ku	RAUT RAKSHA GAJANAN	17
12	Ku	SATFALE RAKSHA SANJAY	12
13	Ku	SINGALWAR FALGUNI ANIL	12
14	Ku	TOMAR ATHARVA JITENDRA	AA
15	Ku	WAGDE ASHLESHA YUVRAJ	AA
16	Ku	WAGHE SAKSHI SANDIP	20
17	Ku	YADAV SEJAL ASHOK	4

Batch M 10 – ECSM

Sr. No.		Name of the Students	Marks out of 20
1	Ku	AKRE KHUSHI KAILASH	12
2	Ku	BAGDE SHREYA TARACHAND	2
3	Ku	BARDE YASHIKA KUNDLIK	3
4		BHATTALWAR VARAD ATUL	11
5		CHANDEL JAY MANOJSINGH	16
6		CHAVAN PRATIK PREMDAS	7
7		DAWARE SARVESH SUDHIR	0
8	Ku	DOBLE VAISHNAVI GAJANAN	12
9	Ku	GHORMARE KRUTIKA ANKUSH	16
10		GHUGAL ABHISHAKTI HARIBHAU	15
11		HULKE VINAY MORESHWAR	17
12	Ku	KANHER JANHVI PANDHARI	12
13	Ku	KODANE PUNESHA DILIP	12
14	Ku	LENDE SANJANA KISHORJI	AA
15	Ku	LUTE HIMANSHI RAMESH	AA
16	Ku	MANKAR UJJWAL RAJESH	20
17	Ku	MOHATURE TANHVI CHANDRASHEKHAR	4
18		UMREDKAR HARSHAL RAJESH	8

Batch G 1 – CGM

Sr.No.		Name of the Students	Marks out of 20
1	Ku	BAGHELE AARTI OMSHANKAR	10
2	Ku	BHONDGE KUNALI SATISH	13
3	Ku	BOMBARDE SHREYA VIJAY	12
4	Ku	CHOUDHARI NANDINI DINKAR	8
5	Ku	DHARMIK DEVASHREE BHAURAO	7
6	Ku	DHOKE SANJANA ANKUSH	5
8	Ku	GUDADHE VINA DILIP	15
9	Ku	KALE SUMATI SANJAY	18
10		KHARE JATIN SURESH	AA
11	Ku	KOSEKAR KOMAL KISANA	3
12	Ku	MEHAR HIMANSHI VIJAY	4
13	Ku	NANDANWAR SALONI ARUN	9

14		NEMADE RAM ARUN	16
15	Ku	PATEWAR SHARVARI MANIKRAO	12
16	Ku	RAUT MOHINI MANOHAR	11
17		SAWARKAR SWAYAM KISHOR	10
18	Ku	UIKEY KRITIKA YOGESH	7
19		WAHALE PRESHIT RAJESH	0
20	Ku	WANKAR NANDINI LAXMAN	AA
21	Ku	WANKHEDE SNEHAL SANJAY	3
22	Ku	RAUT MOHINI MANOHAR	11
23		SAWARKAR SWAYAM KISHOR	12
24	Ku	UIKEY KRITIKA YOGESH	13
25	Ku	WAHALE PRESHIT RAJESH	14
26	Ku	WANKHEDE SNEHAL SANJAY	16
27	Ku	WANKAR NANDINI LAXMAN	3

K. Gawar

Name of Teacher



K. Gawar

Head of Department

HEAD
Department of Mathematics
Science College, Congress Nagar
 Nagpur.

**Shri Shivaji Education Society Amravati's
Science College Congress Nagar Nagpur
Bachelor of Science (B. Sc.) (Semester-IV) Examination
MATHEMATICS
Paper-I Unit Test I**

Time: OneHours]

[Maximum Marks: 20


N.B. :- Solve all questions, Each questions carry equal marks.

1. (A) Show that integral curves of the equation $\frac{dx}{5y - 4z} = \frac{dy}{3z - 5x} = \frac{dz}{4x - 3y}$ are circles.
- (B) Verify that the equation $y(1 + z^2)dx - x(1 + z^2)dy + (x^2 + y^2)dz = 0$ is integrable and find its primitive.
- OR**
- (C) Show that a necessary and sufficient condition that there exists between two functions $u(x, y)$ and $v(x, y)$ a relation $F(u, v) = 0$, not involving x or y explicitly is that $\frac{\partial(u, v)}{\partial(x, y)} = 0$.
- (D) Form the partial differential equation by eliminating arbitrary constants and functions from the following equations :
- (i) $(x - a)^2 + (y - b)^2 + z^2 = 1$; a and b are arbitrary constants.
- (ii) $z = f(x + ay) + \phi(x - ay)$; f and ϕ are arbitrary functions and a is a constant.



Name of Teacher




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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Mathematics

B. Sc. II Semester-IV (2023-24)

Result on unit test held on 12/01/2024

Subject : Mathematics Paper I

Name of the teacher :- Priti Nandeshwar

Batch M1-PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	ARVIWALA HUZEFA KHUZEMA	12
2	Ku	BAGHEL SONAM SANTOSHKUMAR	AA
3	Ku	BAIG TASMIYA HAMID	13
4		BARSAGADE KALASH SUDHAKAR	14
5	Ku	BAWANKULE LAXMI DEVIDAS	5
6	Ku	BHASMOTE ARADHANA RAJENDRA	7
7	Ku	CHANNE TANISHKA PRAVEEN	6
8	Ku	DATIR PRANJALI ANKALESH	9
9	Ku	DESHMUKH JANHAVI VIRENDRA	8
10		DHOK SOKSHAM NISHANT	0
11	Ku	FULKUWAR PRIYA SANTOSH	12
12	Ku	GAJBHIYE SWEJAL PRASHANT	11
13	Ku	GONNADE MADHURIMA SHAILESH	10
14	Ku	IRGURALA VIDYA CHANDRAIAH	2
15	Ku	JIBHEKAR SAMRUDDHI KISHOR	7
16	Ku	KALE AVANI PREMDAS	20
17	Ku	KHADSE CHETANA MORESHWAR	20
18	Ku	KUBADE TEJASWI MOTIRAM	AA
Batch M2-PCM			
Sr.No.	Name of the Students		Marks out of 20
1		LOKHANDE KASHISH SUHAS	2
2	Ku	LUTE SUHANI RAMESHWAR	20
3	Ku	MENDWADE AISHWARYA PRAKASH	12
4		NAMDEO ARYAN UMASHANKAR	0
5		PAIGAMI MANISH RAJENDRA	3
6	Ku	PAL VAISHNAVI VINOD	4
7	Ku	SAHU APURVA TAPAN	7
8	Ku	SAPATE PORNIMA PRABHU	8
9	Ku	SONTAKKE RAJVEE SAROJ	9
10	Ku	THAKARE SUHANI SUKHADEO	18
11	Ku	THAKUR KRITI AINKATRAO	19
12	Ku	TOMAR TANU LXANDERKUMAR	17
13	Ku	TONGE SUHANI ANAND	6
14		VYAS HIMANSHU MUKESH	AA
15		WAHANE PREMANSHU ANIL	AA
16	Ku	WAHANE TEJASVI PRAVIN	0

17	Ku	WASNIK RUTIKA VINAYAK	1
Batch M 3,4 –PEM			
Sr.No.	Name of the Students		Marks out of 20
1		BORKAR OM GAJANAN	20
2		CHANIANA KIRANPREET KAUR SARVJEET SINGH	12
3	Ku	DUBEY ISHA ROSHAN	11
4		FULZELE KASHISH GAJENDRA	12
5	Ku	GOWARDIPE KAJAL PURUSHOTTAM	13
6		HEDAPOO DHIRAJ RAJENDRA	14
7		KAMBLE NAYAN ASHOK	11
8	Ku	KANGALE ACHAL RUSHI	10
9		KHOTELE MAYANK HEMANTKUMAR	0
10		MISHRA SHASHWAT RAMAKANT	AA
11		MONDHE VISHAL VISHWANATH	6
12		SINGH KASHISH NAGENDRA	2
13	Ku	SINGH SHEETAL AZAD	7
14	Ku	SONWANE BHAGYASHREE CHANDRAKUMAR	4
15	Ku	YADAV TAMANNA VIJAY	1

Batch M 6 – PCSM

Sr.No.	Name of the Students		Marks out of 20
1		BAWANKULE ANURAG AVIN	20
2		BHOTMANGE YASH ASHOKRAO	12
3	Ku	BHUTE VAISHNAVI CHANDRASHEKHAR	11
4	Ku	CHANODE SONU SHESHRAO	12
5	Ku	CHAUDHARI SANIKA RAVINDRA	13
6		DABHADE SAURABH DADARAO	14
7	Ku	DAKHOLE MUGDHA RAJESH	11
8		DANGORE SOHAM NITIN	10
9	Ku	DHABRE VAISHNAVI DHIRAJ	0
10	Ku	DHAWADE SHRAWANI DATTA	AA
11		DOLAS SAHARSH SURESH	6
12	Ku	GAIDHANE SMITA PURUSHOTTAM	2
13		GAIKI VEDANT PRASHANT	7
14	Ku	GANVIR SALONI RAJKUMAR	4
15	Ku	GIRDE CHETNA PRAKASH	1
16	Ku	HEDAU SAYLI VIVEK	0
17		JANGDE DEVANSH SANJAY	3
18	Ku	KAMBLE DIVYA DINESH	6
19	Ku	KAROKAR SHEJAL DIPAK	7
20	Ku	KASHIKAR SANIKA RAHUL	9
21	Ku	KHANDATE NEHA KISAN	0
22	Ku	KHARWALE ASHWINI RATIRAM	12

Batch M 7 – PCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	MAMULKAR RAJVI PRASHANT	12
2	Ku	MANKAR SAYALI DEVRAO	AA

3	Ku	MARWADE SANIKA BHASKAR	13
4	Ku	MASKE MADHURA SUNIL	14
5	Ku	MOURYA HARSHIT PRAMOD	5
6	Ku	NASARE NIKHIL NARAYAN	7
7	Ku	NASARE RAHUL RAJENDRA	6
8	Ku	NIRANJANE VRUDDHI SAWAN	9
9	Ku	PARDHI CHETANA MANISH	8
10	Ku	PATIL PRERNA HANAMANT	0
11	Ku	RADKE GUNJAN BHASHKAR	12
12		RAMTEKE SHASHANK NITIN	11
13	Ku	RATTHE ARYA VINOD	10
14	Ku	SAHU DEVSHRI ASHOK	2
15		SHIVHARE HARSHIT VIKRAM	7
16		SULAKHE MANDAR CHANDRASHEKHAR	20
17		SURYAWANSHI VAIBHAV DURYODHAN	20
18	Ku	TALNIKAR LAVANYA RAMAKANT	AA
19	Ku	THAKARE PRACHI DILIP	11
20	Ku	TIWARI PRIYA RAKESHKUMAR	12
21		TUBID YASHWARDHAN SIDHESHWAR	13

Batch M 8 – SCSM

Sr.No.		Name of the Students	Marks out of 20
1		BANGRE ARPIT MANOJ	20
2		BATWE HRUSHIKESH SANJAY	AA
3	Ku	BHAYDE PRATEEKSHA PRAVIN	0
4		BHENDARKAR KHUSHRANG JAIPRAKASH	AA
5	Ku	BHUJADE RUTUJA RAJENDRA	0
6		BISEN SAGAR ARUN	4
7	Ku	BISWAS APARAJITA APURBAKUMAR	5
8		CHOUHAN SOMAY SATISH	6
9	Ku	DEWANGAN MAHENDRA GANESH	8
10	Ku	DUDHANKAR RUPALI RAJESH	7
11		FULMALI HITESH SANTOSH	9
12	Ku	GAJBHIYE YASH RAJU	1
13	Ku	GAWANDE AMRUTA VIJAY	2
14	Ku	GAWANDE NEHA GAJENDRA	12
15	Ku	GONDANE ISHA DINESH	13
16	Ku	GUPTA PRINCY ASHOK	14
17	Ku	GUPTA VAISHNAVI BHARAT	12

Batch M 9 – SCSM

Sr.No.		Name of the Students	Marks out of 20
1		INGLE AJINKYA MAHENDRA	13
2	Ku	KARANDE ASTHA GANGADHAR	12
3		KHODE YASH SANJAY	11
4	Ku	KUI TE ANUSHKA VINOD	15
5	Ku	LICHAD E AYUSHI KRISHNA	16
6	Ku	LOKHANDE AKANSHA ARVIND	17

7	Ku	MOHADIKAR AKSHITA PUSHPARAJ	18
8	Ku	NAGRIKAR ANUJA JAYANT	12
9	Ku	PANDEY KAMAL BRIJESH	11
10	Ku	PARATE PRANJAL JEEVAN	14
11	Ku	RAUT RAKSHA GAJANAN	15
12	Ku	SATFALE RAKSHA SANJAY	13
13	Ku	SINGALWAR FALGUNI ANIL	12
14	Ku	TOMAR ATHARVA JITENDRA	17
15	Ku	WAGDE ASHLESHA YUVRAJ	18
16	Ku	WAGHE SAKSHI SANDIP	3
17	Ku	YADAV SEJAL ASHOK	4

Batch M 10 – ECSM

Sr. No.	Name of the Students		Marks out of 20
1	Ku	AKRE KHUSHI KAILASH	20
2	Ku	BAGDE SHREYA TARACHAND	19
3	Ku	BARDE YASHIKA KUNDLIK	17
4		BHATTALWAR VARAD ATUL	11
5		CHANDEL JAY MANOJSINGH	1
6		CHAVAN PRATIK PREMDAS	4
7		DAWARE SARVESH SUDHIR	10
8	Ku	DOBLE VAISHNAVI GAJANAN	AA
9	Ku	GHORMARE KRUTIKA ANKUSH	12
10		GHUGAL ABHISHAKTI HARIBHAU	8
11		HULKE VINAY MORESHWAR	4
12	Ku	KANHER JANHVI PANDHARI	5
13	Ku	KODANE PUNESHA DILIP	7
14	Ku	LENDE SANJANA KISHORJI	6
15	Ku	LUTE HIMANSHI RAMESH	9
16	Ku	MANKAR UJJWAL RAJESH	10
17	Ku	MOHATURE TANHVI CHANDRASHEKHAR	11
18		UMREDKAR HARSHAL RAJESH	0

Batch G 1 – CGM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	BAGHELE AARTI OMSHANKAR	12
2	Ku	BHONDGE KUNALI SATISH	12
3	Ku	BOMBARDE SHREYA VIJAY	14
4	Ku	CHOUDHARI NANDINI DINKAR	AA
5	Ku	DHARMIK DEVASHREE BHAURAO	20
6	Ku	DHOKE SANJANA ANKUSH	19
7		DHUDSE ADITYA RITESH	17
8	Ku	GUDADHE VINA DILIP	11
9	Ku	KALE SUMATI SANJAY	1
10		KHARE JATIN SURESH	4
11	Ku	KOSEKAR KOMAL KISANA	10
12	Ku	MEHAR HIMANSHI VIJAY	AA
13	Ku	NANDANWAR SALONI ARUN	12

14		NEMADE RAM ARUN	8
15	Ku	PATEWAR SHARVARI MANIKRAO	4
16	Ku	RAUT MOHINI MANOHAR	5
17		SAWARKAR SWAYAM KISHOR	7
18	Ku	UIKEY KRITIKA YOGESH	6
19		WAHALE PRESHIT RAJESH	9
20	Ku	WANKAR NANDINI LAXMAN	10
21	Ku	WANKHEDE SNEHAL SANJAY	11
22	Ku	RAUT MOHINI MANOHAR	12
23		SAWARKAR SWAYAM KISHOR	16
24	Ku	UIKEY KRITIKA YOGESH	14
25	Ku	WAHALE PRESHIT RAJESH	13
26	Ku	WANKHEDE SNEHAL SANJAY	12
27	Ku	WANKAR NANDINI LAXMAN	11

[Handwritten Signature]

Name of Teacher



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HEAD
Department of Mathematics
Science College, Congress Nagar,
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 Head of Department

**Shri Shivaji Education Society Amravati's
Science College Congress Nagar Nagpur
Session 2019-2020
Bachelor of Science (B. Sc.) (Semester-IV) Examination
MATHEMATICS
Paper-I Unit Test II**

Time: OneHours]

[Maximum Marks: 20

N.B. :- Solve all questions, Each questions carry equal marks.

(A) Find the general integral of the partial differential equation

$$(2xy - 1)p + (z - 2x^2)q = 2(x - yz)$$

and also the particular integral which passes through the line $x = 1, y = 0$.

(B) Show that the equations $f(x, y, p, q) = 0, g(x, y, p, q) = 0$ are compatible if :

$$\frac{\partial(f, g)}{\partial(x, p)} + \frac{\partial(f, g)}{\partial(y, q)} = 0.$$

Further, verify that the equations $p = P(x, y), q = Q(x, y)$ are compatible if $\frac{\partial P}{\partial y} = \frac{\partial Q}{\partial x}$.

(C) Find the general integral of the linear partial differential equation :

$$x(x^2 + 3y^2)p - y(3x^2 + y^2)q = 2z(y^2 - x^2).$$

(D) Prove that an equation of the form


$$x \frac{\partial u}{\partial x} + y \frac{\partial u}{\partial y} + z \frac{\partial u}{\partial z} = f\left(\frac{\partial u}{\partial x}, \frac{\partial u}{\partial y}, \frac{\partial u}{\partial z}\right)$$

is solvable by Jacobi's method. Hence solve the equation :

$$\left(\frac{\partial u}{\partial x} - \frac{\partial u}{\partial y} - \frac{\partial u}{\partial z}\right) \left(x \frac{\partial u}{\partial x} + y \frac{\partial u}{\partial y} + z \frac{\partial u}{\partial z}\right) = 1.$$


Name of Teacher




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SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Mathematics

B. Sc. II Semester-IV (2023-24)

Result on unit test held On 03/03/2024

Subject : Mathematics Paper I

Name of the teacher :- Priti Nadeshwar

Batch M 1 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AGARKAR PRANJAL VIJAY	0
2	Ku	BAGDE SHRADDHA BABAN	7
3	Ku	BALODIYA RITIKA VISHNU	6
4		BHAGAT KRUNAL GAJANAN	4
5	Ku	BHAGAT SANJIVANI SAGAR	0
6	Ku	BILKAR AMISHA SITARAM	AA
7		CHAUDHARY MUNESH RAVINDRASINGH	12
8	Ku	DAF PRADNYA CHANDRAKANTJI	11
9	Ku	DHABEKAR SWATI FATTU	14
10	Ku	JAUNJAL GARGI DILIP	13
11	Ku	KANOJE KHUSHI SANJAY	12
12	Ku	KARKI SRUSHTI SUBHASH	15
13	Ku	KAWALE GAYTRI VINOD	6
14	Ku	KAYARKAR JANHVI DHIRENDRA	9
15	Ku	KENE JANVI SUBHASHRAO	0
16	Ku	LAKDE SHREYASH MAHADEO	2
17		LAKHE PRANAV BHUPESH	4
18	Ku	MARBATE SANSKRUTI RAJENDRA	6
Batch M 2 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	MASRAM NIKITA SITARAM	7
2	Ku	MEENA RUCHI MAHENDRA KUMAR	0
3	Ku	MESHARAM NIKHITA RAVIKANT	AA
4		MOTWANI VARUN DOLAT	12
5	Ku	MOUNDEKAR VINKU MANIK	13
6		NARWADE SARTHAK ARUNRAO	14
7		PAROCHE PALAK SATISH	15
8	Ku	PATLE SONALI SURESH	16
9		PAUNIKAR YASHWANT RAJU	17
10	Ku	PIMPLE MANYA GANESH	18
11	Ku	PITALEY SHRIVATSA PRASHANT	19
12	Ku	POPERE GARGI VINAYAK	20
13	Ku	RAUT DISHA VIJAY	AA
14	Ku	SANGOLE AKANSHA SUBHASH	12
15	Ku	SHENDE CHAITRALI GANESHRAO	0
16		SHRIVAS PRATHAM SANJIV	0

17		WASE RUSHIKESH SHUBHAKAR	0
18	Ku	YADAV JAYSHREE PRAKASH	12
19	Ku	YADAV SAPNA JAIKRISHNA	14
Batch M 3,4 - PEM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	BALAPURE PARI GAJANAN	7
2		BANSOD NIKHIL MILIND	6
3		BHIWGADE SHRINAY YOGESH	4
4	Ku	DHADSE VAISHNAVI VIJAY	5
5	Ku	DHAKATE SAKSHI PRAMOD	3
6	Ku	JADHAV AASTHA SANJU	10
7	Ku	JOSHI ARTI SUBHASH	20
8	Ku	KHAPRE MUSKAN PRAKASH	7
9	Ku	LODHIKAR ANJALI NANESHWAR	8
10		MESHARAM NISHANT DUSHYANT	4
11	Ku	MESHARAM ROSHNI SHRIHARI	0
12	Ku	MISAR KHUSHI MANOJ	AA
13	Ku	MISHRA MAHEK PRAMOD	14
14		PATEL LOKESH SHRINIWAS	15
15	Ku	PATHAK MUSKAN VINAY	16
16		SATHAWANE SHUBHAM RAJENDRA	20
17	Ku	SHARMA SNEHA RANJAY KUMAR	13
18		SIRSAT VIKRANT DEVENDRA	15
19	Ku	SONPIMPALE YASH ARVIND	7
20		WAGH SARANG VILASRAO	17
21	Ku	ZADE GAURI MUKESH	19
Batch M 6 - PCSM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AGLAWE KHUSHI RAHUL	20
2	Ku	ARORA OSHEEN DARSHAN	12
3	Ku	BAWANGADE NIDHI SHAILESH	11
4	Ku	BHAKTE MOHIT PRABHAKAR	10
5	Ku	BHURE NISHANT DEEPAK	0
6	Ku	BHURE SAURABH RAMESH	12
7	Ku	BHUTE MOHINI BHASKARRAO	14
8	Ku	CHANDORKAR KRUTIKA SUBODH	3
9	Ku	CHAPLE SAURAV UTTAM	6
10	Ku	CHARPE SHWETA SUNIL	8
11	Ku	CHAUDHARI ISHA DIPAKKUMAR	9
12	Ku	CHAUDHURY ROMIT RAJAT	0
13	Ku	CHAUHAN JYOTI DHANRAJ	12
14		DAILKAR JAY SHRIHARI	13
15	Ku	DABARE VAISHNAVI DINESH	11
16	Ku	DANGE MANASVI DILIP	13
17	Ku	DOBLE VEDANTI PRAMOD	12
18	Ku	DOIFODE GOURI ASHOK	11

19	Ku	GAJBHIYE DIVYASHRI SURENDRA	15
20	Ku	IYAR AGILESH JAYARAMAN	12
21	Ku	JAIPURKAR DEVENDRA GAJANAN	13
22	Ku	JATGADE GEETANJALI PRAKASH	17
23	Ku	KADU SANSKRUTI SANJAYRAO	8
24	Ku	KADU TANUSHKA ANAND	9
25		KARANJEKAR TANMAY KOMAL	0
26	Ku	KAROTIYA STUTI GIRISH	AA

Batch M 7 - PCSM

Sr. No.	Name of the Students		Marks out of 20
1	Ku	KHEDKAR MRUNAL RAJESH	12
2	Ku	KOHAD RIDDHI CHANDRASHEKHAR	14
3		KUMARE GAURAV SHEKHAR	16
4	Ku	KHAMBALKAR NIDHI VISHNUJI	17
5	Ku	LANGDE ANJALI DILIP	18
6		MAHAJAN ROHAN VITTHAL	12
7		MOURYA BHUSHAN PRAKASH	13
8	Ku	NAGAPURE KALYANI MOTILAL	15
9		NAGRALE TANMAY PRAMOD	16
10	Ku	NAIDU SWETA SANDEEP	17
11	Ku	NANDAGAWALI SUJAN AJAY	12
12		PANDEY RAGHAV MOHAN	12
13	Ku	PASI NANDINI ANILSINGH	1
14	Ku	PATHAK MADHURA MILIND	2
15		PIMPALKAR SWETH ARJUN	0
16	Ku	PORCHATTIWAR PRANALI SHAIENDRA	AA
17	Ku	RADKE SAMIKSHA NAJUKRAM	AA
18	Ku	RAJABHOJ AMISHA ASHISH	3
19	Ku	RAUT SAKSHI MANGESH	12
20	Ku	RAUT TANVI HIRENDRA	11
21		RAVIKUMAR RANJAN SUDARSHAN PRASAD	14
22		SHENDE JAY MADHUKAR	10
23	Ku	SHINDE TANUJA KISHOR	6
24	Ku	SIDDIQUE AAYESHA ASHFAQUE	4
25		WASNIK DIKSHANT PRASHANT	8

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Sr.No.	Name of the Students		Marks out of 20
1	Ku	PRIYA KUMARI DEONATH PRASAD	12
2	Ku	ADHAU AVANTI VIJAY	11
3		BAGADE PRANAV RAMBHAU	14
4	Ku	BAWANGADE KASHISH MUNESHWAR	15
5	Ku	BHAGAT SHRUTI RAJENDRA	16
6		DARVEKAR DARSHAN VIJAY	AA
7	Ku	DIWAKAR JANHAVI PANKAJ	0
8		DORLE OM PRASANNA	7
9	Ku	GAIKWAD SHRUTI SACHIN	5

10	Ku	GHATOLE SANJANA MILIND	6
11	Ku	GOTMARE DHRUVIKA OMPRAKASH	9
12		HALDAR JAYANT JAGDISH	4
13		HEDA OO VIDHAN RAJESH	12
14	Ku	IYER AKSHAYA RAMESH	13
15	Ku	JAISWAL ANJALI PRAKASH	14
16	Ku	KABULE SHUBHADA VIKAS	12
17	Ku	KADU ARYA GAJANAN	11
18	Ku	KADU ASTHA GAJANAN	10
19		KADWE BHAVESH RAMESHWAR	10


Batch M 9 – SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	KHARWAR PRIYANKA MURARIPRASAD	11
2	Ku	MONDHE TRUPTI ASHOK	12
3	Ku	MOURYA GUNJAN VIKAS	10
4	Ku	NAIK ISHIKA SUNIL	AA
5	Ku	NANDANWAR MANSI DHONDU	AA
6		NANOTY ABHISHEK SHRIKANT	0
7		NIMJE ROHAN KAILASH	0
8		RAMTEKE HIMANSHU DILIP	3
9	Ku	RAUT DIVYANKA MANOJ	4
10	Ku	SAKHARE SUDHANSHU RAVINDRA	4
11	Ku	SANDEL SHRADDHA SUNIL	4
12	Ku	SANT EKTA DWARKA DAS	4
13	Ku	SHRIVASTAVA ISHITA SANTOSH	6
14	Ku	SINGH RIYA RAJESHKUMAR	6
15	Ku	SUR ANCHAL NINAD	6
16	Ku	SURUSE SEJAL VIVEKRAO	8
17		TIWARI RAJAT BRIJLALA	8
18	Ku	VARADE HARSHITA SANDEEP	
19		VIRKHARE PARTH SANJAY	14


12

Sr.No.	Name of the Students		Marks out of 20
1	Ku	AMBEKAR NIHARIKA MAHESH	12
2	Ku	BARAI YOGESHREE DINESH	12
3	Ku	BARAMATE KHUSHI SHASHIKANT	11
4		BARAPATRE ANIKET PURUSHOTTAM	10
5	Ku	DANGE PRATIKSHA BABAN	9
6	Ku	DESHBHRATAR PARMITA SIDDHARTH	8
7	Ku	DOKWAL SHREYA NARENDRA	0
8		GUMGAONKAR PRATHMESH DINESH	AA
9	Ku	JADHAV AKSHATA SUNIL	0
10	Ku	JIBHAKATE VAIDEHI SUNIL	9
11	Ku	KHIANI VISHAKA MANGHANLAL	6
12		KOCHE PRIYANSH BABURAO	7
13	Ku	KIRPAN AKANKSHA KUMESHWAR	4

14	Ku	LANJEWAR SAKSHI MOTIRAM	3
15	Ku	MAKODE HARSHU CHANDU	12
16	Ku	PATIL RUDHALI RAMESH	14
17		RANGARI HARSHAL BHOJRAJ	18
18	Ku	RAO KIRAN SHANTA	16
19	Ku	SAMARTH SHRUTI SUNIL	12
20		SANGITRAO VIPUL DEEPAK	13
21		SONTAKKE NUPUL MAHENDRA	7
22	Ku	TAKALKHEDE DISHA SUNIL	8
23	Ku	TAMBUSKAR RUSHIKESH SATISHRAO	9
24	Ku	THAKRE KRUTIKA NIRAJ	4
25	Ku	UPRADE SAUMYA FULSINGH	5
26		WAKDE SANCHIT CHANDRASHEKHAR	12
Batch G 1 – CGM			
Sr.No.	Name of the Students		Marks out of 20
1		ATTRI PRIYANSHU GYANENDRA SINGH	11
2		BANSPAL MAYUR RAGHVENDRA	13
3	Ku	BORKAR SANIYA KAILASH	14
4	Ku	CHIDE ARPITA SANDIP	17
5		DHUNDALE ARYAN RAJENDRA	18
6	Ku	DUBEY SAKSHI VIJAYKANT	16
7		JOSHI RUGVED DINESH	15
8		KHOT ANSHUL LAXMAN	14
9	Ku	KHOTELE SWATI PURUSHOTTAM	11
10		MEHAR HARSHAL ASHOK	13
11	Ku	MESHARAM MRUNALI ROSHAN	12
12		SELOKAR ADITYA RAJESH	1


Name of Teacher




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Head of Department

**Shri Shivaji Education Society Amravati's
Science College Congress Nagar Nagpur
Bachelor of Science (B. Sc.) (Semester-IV) Examination
MATHEMATICS
Paper-II Unit Test I**

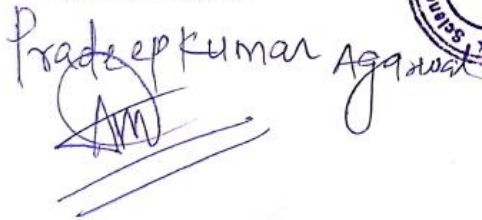
Time: OneHours]

[Maximum Marks: 20


N.B. :- Solve all questions, Each questions carry equal marks

1. (A) Forces $P_1, P_2, P_3, P_4, P_5, P_6$ act along the sides of a regular hexagon taken in order. Show that they will be in equilibrium if $P_1 + P_2 + P_3 + P_4 + P_5 + P_6 = 0$ and $P_1 - P_4 = P_3 - P_6 = P_5 - P_2$.
- (B) Five weightless rods of equal lengths are joined together so as to form a rhombus ABCD with one diagonal BD. If a weight W be attached to C and the system be suspended from A, show that there is a thrust in BD equal to $\frac{W}{\sqrt{3}}$.
- (C) A uniform chain has a horizontal span of 96 feet and tension T at the upper end is twice that at the lowest point. Show that the length of the chain is $\frac{96\sqrt{3}}{\log(2+\sqrt{3})}$ feet.
- (D) A uniform chain of length 'l' is stretched between two points in the horizontal line such that the maximum tension is equal to 'n' times its weight. Show that the possible sag in the middle is $l \left[n - \sqrt{n^2 - \frac{1}{4}} \right]$.

Name of Teacher

Pradeepkumar Aggarwal





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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Department of Mathematics

B. Sc. III Semester-IV (2023-24)

Result on unit test held on 08/01/2024

Subject : Mathematics Paper II

Name of the teacher :- Pradip Agarwal

Batch M 1 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AGARKAR PRANJAL VIJAY	0
2	Ku	BAGDE SHRADDHA BABAN	7
3	Ku	BALODIYA RITIKA VISHNU	6
4		BHAGAT KRUNAL GAJANAN	4
5	Ku	BHAGAT SANJIVANI SAGAR	0
6	Ku	BILKAR AMISHA SITARAM	AA
7		CHAUDHARY MUNESH RAVINDRASINGH	12
8	Ku	DAF PRADNYA CHANDRAKANTJI	11
9	Ku	DHABEKAR SWATI FATTU	14
10	Ku	JAUNJAL GARGI DILIP	13
11	Ku	KANOJE KHUSHI SANJAY	12
12	Ku	KARKI SRUSHTI SUBHASH	15
13	Ku	KAWALE GAYTRI VINOD	6
14	Ku	KAYARKAR JANHVI DHIRENDRA	9
15	Ku	KENE JANVI SUBHASHRAO	0
16	Ku	LAKDE SHREYASH MAHADEO	2
17		LAKHE PRANAV BHUPESH	4
18	Ku	MARBATE SANSKRUTI RAJENDRA	6
Batch M 2 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	MASRAM NIKITA SITARAM	7
2	Ku	MEENA RUCHI MAHENDRA KUMAR	0
3	Ku	MESHARAM NIKHITA RAVIKANT	AA
4		MOTWANI VARUN DOLAT	12
5	Ku	MOUNDEKAR VINKU MANIK	13
6		NARWADE SARTHAK ARUNRAO	14
7		PAROCHE PALAK SATISH	15
8	Ku	PATLE SONALI SURESH	16
9		PAUNIKAR YASHWANT RAJU	17
10	Ku	PIMPLE MANYA GANESH	18
11	Ku	PITALEY SHRIVATSA PRASHANT	19
12	Ku	POPERE GARGI VINAYAK	20
13	Ku	RAUT DISHA VIJAY	AA
14	Ku	SANGOLE AKANSHA SUBHASH	12
15	Ku	SHENDE CHAITRALI GANESHRAO	0
16		SHRIVAS PRATHAM SANJIV	0
17		WASE RUSHIKESH SHUBHAKAR	0

18	Ku	YADAV JAYSHREE PRAKASH	12
19	Ku	YADAV SAPNA JAIKRISHNA	14
Batch M 3,4 - PEM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	BALAPURE PARI GAJANAN	7
2		BANSOD NIKHIL MILIND	6
3		BHIWGADE SHRINAY YOGESH	4
4	Ku	DHADSE VAISHNAVI VIJAY	5
5	Ku	DHAKATE SAKSHI PRAMOD	3
6	Ku	JADHAV AASTHA SANJU	10
7	Ku	JOSHI ARTI SUBHASH	20
8	Ku	KHAPRE MUSKAN PRAKASH	7
9	Ku	LODHIKAR ANJALI NANESHWAR	8
10		MESHRAM NISHANT DUSHYANT	4
11	Ku	MESHRAM ROSHNI SHRIHARI	0
12	Ku	MISAR KHUSHI MANOJ	AA
13	Ku	MISHRA MAHEK PRAMOD	14
14		PATEL LOKESH SHRINIWAS	15
15	Ku	PATHAK MUSKAN VINAY	16
16		SATHAWANE SHUBHAM RAJENDRA	20
17	Ku	SHARMA SNEHA RANJAY KUMAR	13
18		SIRSAT VIKRANT DEVENDRA	15
19	Ku	SONPIMPALE YASH ARVIND	7
20		WAGH SARANG VILASRAO	17
21	Ku	ZADE GAURI MUKESH	19
Batch M 6 - PCSM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AGLAWE KHUSHI RAHUL	20
2	Ku	ARORA OSHEEN DARSHAN	12
3	Ku	BAWANGADE NIDHI SHAILESH	11
4	Ku	BHAKTE MOHIT PRABHAKAR	10
5	Ku	BHURE NISHANT DEEPAK	0
6	Ku	BHURE SAURABH RAMESH	12
7	Ku	BHUTE MOHINI BHASKARRAO	14
8	Ku	CHANDORKAR KRUTIKA SUBODH	3
9	Ku	CHAPLE SAURAV UTTAM	6
10	Ku	CHARPE SHWETA SUNIL	8
11	Ku	CHAUDHARI ISHA DIPAKKUMAR	9
12	Ku	CHAUDHURY ROMIT RAJAT	0
13	Ku	CHAUHAN JYOTI DHANRAJ	12
14		DAILKAR JAY SHRIHARI	13
15	Ku	DABARE VAISHNAVI DINESH	11
16	Ku	DANGE MANASVI DILIP	13
17	Ku	DOBLE VEDANTI PRAMOD	12
18	Ku	DOIFODE GOURI ASHOK	11
19	Ku	GAJBHIYE DIVYASHRI SURENDRA	15

20	Ku	IYAR AGILESH JAYARAMAN	12
21	Ku	JAIPURKAR DEVENDRA GAJANAN	13
22	Ku	JATGADE GEETANJALI PRAKASH	17
23	Ku	KADU SANSKRUTI SANJAYRAO	8
24	Ku	KADU TANUSHKA ANAND	9
25		KARANJEKAR TANMAY KOMAL	0
26	Ku	KAROTIYA STUTI GIRISH	AA

Batch M 7 - PCSM

Sr. No.	Name of the Students		Marks out of 20
1	Ku	KHEDKAR MRUNAL RAJESH	12
2	Ku	KOHAD RIDDHI CHANDRASHEKHAR	14
3		KUMARE GAURAV SHEKHAR	16
4	Ku	KHAMBALKAR NIDHI VISHNUJI	17
5	Ku	LANGDE ANJALI DILIP	18
6		MAHAJAN ROHAN VITTHAL	12
7		MOURYA BHUSHAN PRAKASH	13
8	Ku	NAGAPURE KALYANI MOTILAL	15
9		NAGRALE TANMAY PRAMOD	16
10	Ku	NAIDU SWETA SANDEEP	17
11	Ku	NANDAGAWALI SUJAN AJAY	12
12		PANDEY RAGHAV MOHAN	12
13	Ku	PASI NANDINI ANILSINGH	1
14	Ku	PATHAK MADHURA MILIND	2
15		PIMPALKAR SWETH ARJUN	0
16	Ku	PORCHATTIWAR PRANALI SHAILENDRA	AA
17	Ku	RADKE SAMIKSHA NAJUKRAM	AA
18	Ku	RAJABHOJ AMISHA ASHISH	3
19	Ku	RAUT SAKSHI MANGESH	12
20	Ku	RAUT TANVI HIRENDRA	11
21		RAVIKUMAR RANJAN SUDARSHAN PRASAD	14
22		SHENDE JAY MADHUKAR	10
23	Ku	SHINDE TANUJA KISHOR	6
24	Ku	SIDDIQUE AAYESHA ASHFAQUE	4
25		WASNIK DIKSHANT PRASHANT	8

9

Sr.No.	Name of the Students		Marks out of 20
1	Ku	PRIYA KUMARI DEONATH PRASAD	12
2	Ku	ADHAU AVANTI VIJAY	11
3		BAGADE PRANAV RAMBHAU	14
4	Ku	BAWANGADE KASHISH MUNESHWAR	15
5	Ku	BHAGAT SHRUTI RAJENDRA	16
6		DARVEKAR DARSHAN VIJAY	AA
7	Ku	DIWAKAR JANHAVI PANKAJ	0
8		DORLE OM PRASANNA	7
9	Ku	GAIKWAD SHRUTI SACHIN	5
10	Ku	GHATOLE SANJANA MILIND	6

11	Ku	GOTMARE DHRUVIKA OMPRAKASH	9
12		HALDAR JAYANT JAGDISH	4
13		HEDAOO VIDHAN RAJESH	12
14	Ku	IYER AKSHAYA RAMESH	13
15	Ku	JAIWAL ANJALI PRAKASH	14
16	Ku	KABULE SHUBHADA VIKAS	12
17	Ku	KADU ARYA GAJANAN	11
18	Ku	KADU ASTHA GAJANAN	10
19		KADWE BHAVESH RAMESHWAR	10

Batch M 9 - SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	KHARWAR PRIYANKA MURARIPRASAD	11
2	Ku	MONDHE TRUPTI ASHOK	12
3	Ku	MOURYA GUNJAN VIKAS	10
4	Ku	NAIK ISHIKA SUNIL	AA
5	Ku	NANDANWAR MANSI DHONDU	AA
6		NANOTY ABHISHEK SHRIKANT	0
7		NIMJE ROHAN KAILASH	0
8		RAMTEKE HIMANSHU DILIP	3
9	Ku	RAUT DIVYANKA MANOJ	4
10	Ku	SAKHARE SUDHANSHU RAVINDRA	4
11	Ku	SANDEL SHRADDHA SUNIL	4
12	Ku	SANT EKTA DWARKA DAS	4
13	Ku	SHRIVASTAVA ISHITA SANTOSH	6
14	Ku	SINGH RIYA RAJESHKUMAR	6
15	Ku	SUR ANCHAL NINAD	6
16	Ku	SURUSE SEJAL VIVEKRAO	8
17		TIWARI RAJAT BRIJLALA	8
18	Ku	VARADE HARSHITA SANDEEP	
19		VIRKHARE PARTH SANJAY	14

12

Sr.No.	Name of the Students		Marks out of 20
1	Ku	AMBEKAR NIHARIKA MAHESH	12
2	Ku	BARAI YOGESHREE DINESH	12
3	Ku	BARAMATE KHUSHI SHASHIKANT	11
4		BARAPATRE ANIKET PURUSHOTTAM	10
5	Ku	DANGE PRATIKSHA BABAN	9
6	Ku	DESHBHRATAR PARMITA SIDDHARTH	8
7	Ku	DOKWAL SHREYA NARENDRA	0
8		GUMGAONKAR PRATHMESH DINESH	AA
9	Ku	JADHAV AKSHATA SUNIL	0
10	Ku	JIBHAKATE VAIDEHI SUNIL	9
11	Ku	KHIANI VISHAKA MANGHANLAL	6
12		KOCHE PRIYANSH BABURAO	7
13	Ku	KIRPAN AKANKSHA KUMESHWAR	4
14	Ku	LANJEWAR SAKSHI MOTIRAM	3

15	Ku	MAKODE HARSHU CHANDU	12
16	Ku	PATIL RUDHALI RAMESH	14
17		RANGARI HARSHAL BHOJRAJ	18
18	Ku	RAO KIRAN SHANTA	16
19	Ku	SAMARTH SHRUTI SUNIL	12
20		SANGITRAO VIPUL DEEPAK	13
21		SONTAKKE NUPUL MAHENDRA	7
22	Ku	TAKALKEHEDE DISHA SUNIL	8
23	Ku	TAMBUSKAR RUSHIKESH SATISHRAO	9
24	Ku	THAKRE KRUTIKA NIRAJ	4
25	Ku	UPRADE SAUMYA FULSINGH	5
26		WAKDE SANCHIT CHANDRASHEKHAR	12
Batch G 1 - CGM			
Sr.No.		Name of the Students	Marks out of 20
1		ATTRI PRIYANSHU GYANENDRA SINGH	11
2		BANSPAL MAYUR RAGHVENDRA	13
3	Ku	BORKAR SANIYA KAILASH	14
4	Ku	CHIDE ARPITA SANDIP	17
5		DHUNDALE ARYAN RAJENDRA	18
6	Ku	DUBEY SAKSHI VIJAYKANT	16
7		JOSHI RUGVED DINESH	15
8		KHOT ANSHUL LAXMAN	14
9	Ku	KHOTELE SWATI PURUSHOTTAM	11
10		MEHAR HARSHAL ASHOK	13
11	Ku	MESHARAM MRUNALI ROSHAN	12
12		SELOKAR ADITYA RAJESH	1

Seemab

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Head of Department

Name of Teacher

Pradeep Kumar Aggarwal
AM



Shri Shivaji Education Society Amravati's
Science College Congress Nagar Nagpur
Bachelor of Science (B. Sc.) (Semester-IV) Examination
MATHEMATICS
Paper-II Unit Test II

Time: [OneHours]

[Maximum Marks: 20]

N.B. :- Solve all questions, All questions carry equal marks.

- (A) Two particles of masses m_1 and m_2 are connected by a light inextensible string which passes over a small smooth fixed pulley. If $m_1 > m_2$, then show that the common acceleration

of the particle is $\left(\frac{m_1 - m_2}{m_1 + m_2} \right) g$.

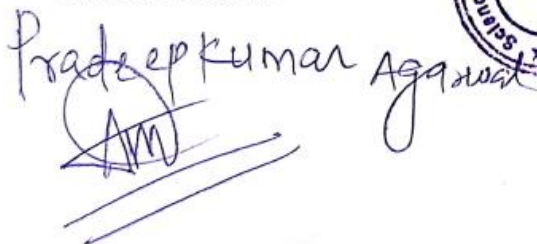
- (B) Construct the Lagrangian for a particle moving in a plane and deduce the equations of motion using Cartesian co-ordinates.

- (C) Derive the Lagrange's equations of motion in the form : $\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{q}_j} \right) - \frac{\partial L}{\partial q_j} = Q'_j, j=1, 2, \dots, n$

for a partly conservative system, where the quantity L refers to the conservative part of the system and Q'_j refers to the forces which are not conservative.

- (D) Define : Rayleigh's dissipation function R . Show that the rate of energy dissipation due to friction is twice the Rayleigh's dissipation function R .

Name of Teacher

Pradeep Kumar Aggarwal






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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Mathematics

B. Sc. III Semester-IV (2023-24)

Result on unit test held on 08/03/2024

Subject : Mathematics Paper II

Name of the teacher :- Pradip Agarwal

Batch M1-PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	ARVIWALA HUZEFA KHUZEMA	12
2	Ku	BAGHEL SONAM SANTOSHKUMAR	AA
3	Ku	BAIG TASMIYA HAMID	13
4		BARSAGADE KALASH SUDHAKAR	14
5	Ku	BAWANKULE LAXMI DEVIDAS	5
6	Ku	BHASMOTE ARADHANA RAJENDRA	7
7	Ku	CHANNE TANISHKA PRAVEEN	6
8	Ku	DATIR PRANJALI ANKALESH	9
9	Ku	DESHMUKH JANHAVI VIRENDRA	8
10		DHOK SOKSHAM NISHANT	0
11	Ku	FULKUWAR PRIYA SANTOSH	12
12	Ku	GAJBHIYE SWEJAL PRASHANT	11
13	Ku	GONNADE MADHURIMA SHAILESH	10
14	Ku	IRGURALA VIDYA CHANDRAIAH	2
15	Ku	JIBHEKAR SAMRUDDHI KISHOR	7
16	Ku	KALE AVANI PREMDAS	20
17	Ku	KHADSE CHETANA MORESHWAR	20
18	Ku	KUBADE TEJASWI MOTIRAM	AA
Batch M2-PCM			
Sr.No.	Name of the Students		Marks out of 20
1		LOKHANDE KASHISH SUHAS	2
2	Ku	LUTE SUHANI RAMESHWAR	20
3	Ku	MENDWADE AISHWARYA PRAKASH	12
4		NAMDEO ARYAN UMASHANKAR	0
5		PAIGAMI MANISH RAJENDRA	3
6	Ku	PAL VAISHNAVI VINOD	4
7	Ku	SAHU APURVA TAPAN	7
8	Ku	SAPATE PORNIMA PRABHU	8
9	Ku	SONTAKKE RAJVEE SAROJ	9
10	Ku	THAKARE SUHANI SUKHADEO	18
11	Ku	THAKUR KRITI AINKATRAO	19
12	Ku	TOMAR TANU LXANDERKUMAR	17
13	Ku	TONGE SUHANI ANAND	6
14		VYAS HIMANSHU MUKESH	AA
15		WAHANE PREMANSHU ANIL	AA
16	Ku	WAHANE TEJASVI PRAVIN	0

17	Ku	WASNIK RUTIKA VINAYAK	1
Batch M 3,4 -PEM			
Sr.No.	Name of the Students		Marks out of 20
1		BORKAR OM GAJANAN	20
2		CHANIANA KIRANPREET KAUR SARVJEET SINGH	12
3	Ku	DUBEY ISHA ROSHAN	11
4		FULZELE KASHISH GAJENDRA	12
5	Ku	GOWARDIPE KAJAL PURUSHOTTAM	13
6		HEDA00 DHIRAJ RAJENDRA	14
7		KAMBLE NAYAN ASHOK	11
8	Ku	KANGALE ACHAL RUSHI	10
9		KHOTELE MAYANK HEMANTKUMAR	0
10		MISHRA SHASHWAT RAMAKANT	AA
11		MONDHE VISHAL VISHWANATH	6
12		SINGH KASHISH NAGENDRA	2
13	Ku	SINGH SHEETAL AZAD	7
14	Ku	SONWANE BHAGYASHREE CHANDRAKUMAR	4
15	Ku	YADAV TAMANNA VIJAY	1

Batch M 6 - PCSM

Sr.No.	Name of the Students		Marks out of 20
1		BAWANKULE ANURAG AVIN	20
2		BHOTMANGE YASH ASHOKRAO	12
3	Ku	BHUTE VAISHNAVI CHANDRASHEKHAR	11
4	Ku	CHANODE SONU SHESHRAO	12
5	Ku	CHAUDHARI SANIKA RAVINDRA	13
6		DABHADE SAURABH DADARAO	14
7	Ku	DAKHOLE MUGDHA RAJESH	11
8		DANGORE SOHAM NITIN	10
9	Ku	DHABRE VAISHNAVI DHIRAJ	0
10	Ku	DHAWADE SHRAWANI DATTA	AA
11		DOLAS SAHARSH SURESH	6
12	Ku	GAIDHANE SMITA PURUSHOTTAM	2
13		GAIKI VEDANT PRASHANT	7
14	Ku	GANVIR SALONI RAJKUMAR	4
15	Ku	GIRDE CHETNA PRAKASH	1
16	Ku	HEDAU SAYLI VIVEK	0
17		JANGDE DEVANSH SANJAY	3
18	Ku	KAMBLE DIVYA DINESH	6
19	Ku	KAROKAR SHEJAL DIPAK	7
20	Ku	KASHIKAR SANIKA RAHUL	9
21	Ku	KHANDATE NEHA KISAN	0
22	Ku	KHARWALE ASHWINI RATIRAM	12

Batch M 7 - PCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	MAMULKAR RAJVI PRASHANT	12
2	Ku	MANKAR SAYALI DEVRAO	AA

3	Ku	MARWADE SANIKA BHASKAR	13
4	Ku	MASKE MADHURA SUNIL	14
5	Ku	MOURYA HARSHIT PRAMOD	5
6	Ku	NASARE NIKHIL NARAYAN	7
7	Ku	NASARE RAHUL RAJENDRA	6
8	Ku	NIRANJANE VRUDDHI SAWAN	9
9	Ku	PARDHI CHETANA MANISH	8
10	Ku	PATIL PRERNA HANAMANT	0
11	Ku	RADKE GUNJAN BHASHKAR	12
12		RAMTEKE SHASHANK NITIN	11
13	Ku	RATTHE ARYA VINOD	10
14	Ku	SAHU DEVSHRI ASHOK	2
15		SHIVHARE HARSHIT VIKRAM	7
16		SULAKHE MANDAR CHANDRASHEKHAR	20
17		SURYAWANSHI VAIBHAV DURYODHAN	20
18	Ku	TALNIKAR LAVANYA RAMAKANT	AA
19	Ku	THAKARE PRACHI DILIP	11
20	Ku	TIWARI PRIYA RAKESHKUMAR	12
21		TUBID YASHWARDHAN SIDHESHWAR	13

Batch M 8 - SCSM

Sr.No.		Name of the Students	Marks out of 20
1		BANGRE ARPIT MANOJ	20
2		BATWE HRUSHIKESH SANJAY	AA
3	Ku	BHAYDE PRATEEKSHA PRAVIN	0
4		BHENDARKAR KHUSHRANG JAIPRAKASH	AA
5	Ku	BHUJADE RUTUJA RAJENDRA	0
6		BISEN SAGAR ARUN	4
7	Ku	BISWAS APARAJITA APURBAKUMAR	5
8		CHOUHAN SOMAY SATISH	6
9	Ku	DEWANGAN MAHENDRA GANESH	8
10	Ku	DUDHANKAR RUPALI RAJESH	7
11		FULMALI HITESH SANTOSH	9
12	Ku	GAJBHIYE YASH RAJU	1
13	Ku	GAWANDE AMRUTA VIJAY	2
14	Ku	GAWANDE NEHA GAJENDRA	12
15	Ku	GONDANE ISHA DINESH	13
16	Ku	GUPTA PRINCY ASHOK	14
17	Ku	GUPTA VAISHNAVI BHARAT	12

Batch M 9 - SCSM

Sr.No.		Name of the Students	Marks out of 20
1		INGLE AJINKYA MAHENDRA	13
2	Ku	KARANDE ASTHA GANGADHAR	12
3		KHODE YASH SANJAY	11
4	Ku	KUI TE ANUSHKA VINOD	15
5	Ku	LICHADE AYUSHI KRISHNA	16
6	Ku	LOKHANDE AKANSHA ARVIND	17

7	Ku	MOHADIKAR AKSHITA PUSHPARAJ	18
8	Ku	NAGRIKAR ANUJA JAYANT	12
9	Ku	PANDEY KAMAL BRIJESH	11
10	Ku	PARATE PRANJAL JEEVAN	14
11	Ku	RAUT RAKSHA GAJANAN	15
12	Ku	SATFALE RAKSHA SANJAY	13
13	Ku	SINGALWAR FALGUNI ANIL	12
14	Ku	TOMAR ATHARVA JITENDRA	17
15	Ku	WAGDE ASHLESHA YUVRAJ	18
16	Ku	WAGHE SAKSHI SANDIP	3
17	Ku	YADAV SEJAL ASHOK	4

Batch M 10 - ECSM

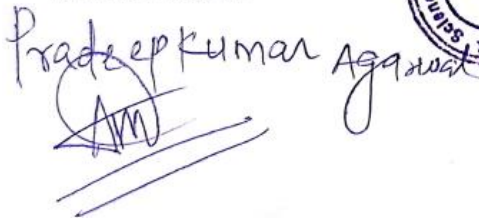
Sr. No.		Name of the Students	Marks out of 20
1	Ku	AKRE KHUSHI KAILASH	20
2	Ku	BAGDE SHREYA TARACHAND	19
3	Ku	BARDE YASHIKA KUNDLIK	17
4		BHATTALWAR VARAD ATUL	11
5		CHANDEL JAY MANOJSINGH	1
6		CHAVAN PRATIK PREMDAS	4
7		DAWARE SARVESH SUDHIR	10
8	Ku	DOBLE VAISHNAVI GAJANAN	AA
9	Ku	GHORMARE KRUTIKA ANKUSH	12
10		GHUGAL ABHISHAKTI HARIBHAU	8
11		HULKE VINAY MORESHWAR	4
12	Ku	KANHER JANHVI PANDHARI	5
13	Ku	KODANE PUNESHA DILIP	7
14	Ku	LENDE SANJANA KISHORJI	6
15	Ku	LUTE HIMANSHI RAMESH	9
16	Ku	MANKAR UJJWAL RAJESH	10
17	Ku	MOHATURE TANHVI CHANDRASHEKHAR	11
18		UMREDKAR HARSHAL RAJESH	0

Batch G 1 - CGM


Sr.No.		Name of the Students	Marks out of 20
1	Ku	BAGHELE AARTI OMSHANKAR	12
2	Ku	BHONDGE KUNALI SATISH	12
3	Ku	BOMBARDE SHREYA VIJAY	14
4	Ku	CHOUDHARI NANDINI DINKAR	AA
5	Ku	DHARMIK DEVASHREE BHAURAO	20
6	Ku	DHOKE SANJANA ANKUSH	19
7		DHUDSE ADITYA RITESH	17
8	Ku	GUDADHE VINA DILIP	11
9	Ku	KALE SUMATI SANJAY	1
10		KHARE JATIN SURESH	4
11	Ku	KOSEKAR KOMAL KISANA	10
12	Ku	MEHAR HIMANSHI VIJAY	AA
13	Ku	NANDANWAR SALONI ARUN	12

14		NEMADE RAM ARUN	8
15	Ku	PATEWAR SHARVARI MANIKRAO	4
16	Ku	RAUT MOHINI MANOHAR	5
17		SAWARKAR SWAYAM KISHOR	7
18	Ku	UIKEY KRITIKA YOGESH	6
19		WAHALE PRESHIT RAJESH	9
20	Ku	WANKAR NANDINI LAXMAN	10
21	Ku	WANKHEDE SNEHAL SANJAY	11
22	Ku	RAUT MOHINI MANOHAR	12
23		SAWARKAR SWAYAM KISHOR	16
24	Ku	UIKEY KRITIKA YOGESH	14
25	Ku	WAHALE PRESHIT RAJESH	13
26	Ku	WANKHEDE SNEHAL SANJAY	12
27	Ku	WANKAR NANDINI LAXMAN	11
Sr.No.		Name of the Students	Marks out of 20
1		ATTRI PRIYANSHU GYANENDRA SINGH	11
2		BANSPAL MAYUR RAGHVENDRA	12
3	Ku	BORKAR SANIYA KAILASH	12
4	Ku	CHIDE ARPITA SANDIP	14
5		DHUNDALE ARYAN RAJENDRA	16
6	Ku	DUBEY SAKSHI VIJAYKANT	0
7		JOSHI RUGVED DINESH	8
8		KHOT ANSHUL LAXMAN	AA
9	Ku	KHOTELE SWATI PURUSHOTTAM	AA
10		MEHAR HARSHAL ASHOK	0
11	Ku	MESHARAM MRUNALI ROSHAN	0
12		SELOKAR ADITYA RAJESH	AA

Name of Teacher

Pradeep Kumar Aggarwal





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 Head of Department

**Shri Shivaji Education Society Amravati's
Science College Congress Nagar Nagpur
Bachelor of Science (B. Sc.) (Semester-V) Examination
MATHEMATICS
Paper-I Unit Test I**

Time: [OneHours]

[Maximum Marks: 20]

N.B. :- Solve all questions, All questions carry equal marks.

1. (A) Find integral curves of $\frac{dx}{x(y^2 - z^2)} = \frac{dy}{y(z^2 - x^2)} = \frac{dz}{z(x^2 - y^2)}$. 5

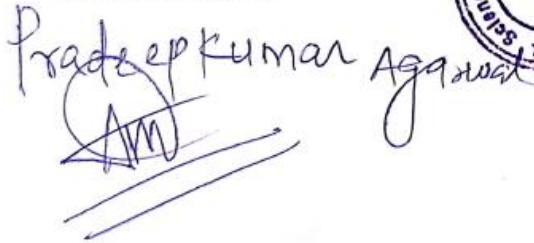
(B) Verify that the equation $x(y^2 - a^2)dx + y(x^2 - z^2)dy - z(y^2 - a^2)dz = 0$ is integrable and find its primitive.

(C) Prove the necessary and sufficient condition that there exists between two functions $u(x, y)$ and $v(x, y)$, a relation $F(u, v) = 0$ not involving x or y explicitly is that 5


$$\frac{\partial(u, v)}{\partial(x, y)} = 0.$$

(D) Solve the equation $(1 + yz)dx + x(z - x)dy - (1 + xy)dz = 0$ by Natani's method. 5

Name of Teacher

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Mathematics

B. Sc. III Semester-V (2023-24)

Result on unit test held on 20/09/2023

Subject : Mathematics Paper I

Name of the teacher :- Pradip Agarwal

Batch M 1 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AGARKAR PRANJAL VIJAY	11
2	Ku	BAGDE SHRADDHA BABAN	13
3	Ku	BALODIYA RITIKA VISHNU	17
4		BHAGAT KRUNAL GAJANAN	13
5	Ku	BHAGAT SANJIVANI SAGAR	16
6	Ku	BILKAR AMISHA SITARAM	7
7		CHAUDHARY MUNESH RAVINDRASINGH	19
8	Ku	DAF PRADNYA CHANDRAKANTJI	AA
9	Ku	DHABEKAR SWATI FATTU	12
10	Ku	JAUNJAL GARGI DILIP	9
11	Ku	KANOJE KHUSHI SANJAY	10
12	Ku	KARKI SRUSHTI SUBHASH	11
13	Ku	KAWALE GAYTRI VINOD	14
14	Ku	KAYARKAR JANHVI DHIRENDRA	8
15	Ku	KENE JANVI SUBHASHRAO	15
16	Ku	LAKDE SHREYASH MAHADEO	11
17		LAKHE PRANAV BHUPESH	12
18	Ku	MARBATE SANSKRUTI RAJENDRA	5
Batch M 2 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	MASRAM NIKITA SITARAM	14
2	Ku	MEENA RUCHI MAHENDRA KUMAR	16
3	Ku	MESHARAM NIKHITA RAVIKANT	14
4		MOTWANI VARUN DOLAT	9
5	Ku	MOUNDEKAR VINKU MANIK	AA
6		NARWADE SARTHAK ARUNRAO	14
7		PAROCHE PALAK SATISH	17
8	Ku	PATLE SONALI SURESH	5
9		PAUNIKAR YASHWANT RAJU	10
10	Ku	PIMPLE MANYA GANESH	19
11	Ku	PITALEY SHRIVATSA PRASHANT	20
12	Ku	POPERE GARGI VINAYAK	17
13	Ku	RAUT DISHA VIJAY	11
14	Ku	SANGOLE AKANSHA SUBHASH	10
15	Ku	SHENDE CHAITRALI GANESHRAO	16
16		SHRIVAS PRATHAM SANJIV	12
17		WASE RUSHIKESH SHUBHAKAR	16

18	Ku	YADAV JAYSHREE PRAKASH	14
19	Ku	YADAV SAPNA JAIKRISHNA	9
Batch M 3,4 - PEM			
Sr.No.		Name of the Students	Marks out of 20
1	Ku	BALAPURE PARI GAJANAN	AA
2		BANSOD NIKHIL MILIND	11
3		BHIWGADE SHRINAY YOGESH	15
4	Ku	DHADSE VAISHNAVI VIJAY	13
5	Ku	DHAKATE SAKSHI PRAMOD	11
6	Ku	JADHAV AASTHA SANJU	17
7	Ku	JOSHI ARTI SUBHASH	16
8	Ku	KHAPRE MUSKAN PRAKASH	8
9	Ku	LODHIKAR ANJALI NANESHWAR	AA
10		MESHRAM NISHANT DUSHYANT	10
11	Ku	MESHRAM ROSHNI SHRIHARI	14
12	Ku	MISAR KHUSHI MANOJ	10
13	Ku	MISHRA MAHEK PRAMOD	11
14		PATEL LOKESH SHRINIWAS	11
15	Ku	PATHAK MUSKAN VINAY	18
16		SATHAWANE SHUBHAM RAJENDRA	19
17	Ku	SHARMA SNEHA RANJAY KUMAR	14
18		SIRSAT VIKRANT DEVENDRA	10
19	Ku	SONPIMPALE YASH ARVIND	19
20		WAGH SARANG VILASRAO	10
21	Ku	ZADE GAURI MUKESH	7
Batch M 6 - PCSM			
Sr.No.		Name of the Students	Marks out of 20
1	Ku	AGLAWE KHUSHI RAHUL	12
2	Ku	ARORA OSHEEN DARSHAN	10
3	Ku	BAWANGADE NIDHI SHAILESH	17
4	Ku	BHAKTE MOHIT PRABHAKAR	16
5	Ku	BHURE NISHANT DEEPAK	18
6	Ku	BHURE SAURABH RAMESH	10
7	Ku	BHUTE MOHINI BHASKARRAO	9
8	Ku	CHANDORKAR KRUTIKA SUBODH	10
9	Ku	CHAPLE SAURAV UTTAM	14
10	Ku	CHARPE SHWETA SUNIL	19
11	Ku	CHAUDHARI ISHA DIPAKKUMAR	11
12	Ku	CHAUDHURY ROMIT RAJAT	17
13	Ku	CHAUHAN JYOTI DHANRAJ	14
14		DAILKAR JAY SHRIHARI	8
15	Ku	DABARE VAISHNAVI DINESH	16
16	Ku	DANGE MANASVI DILIP	12
17	Ku	DOBLE VEDANTI PRAMOD	14
18	Ku	DOIFODE GOURI ASHOK	15
19	Ku	GAJBHIYE DIVYASHRI SURENDRA	18

20	Ku	IYAR AGILESH JAYARAMAN	11
21	Ku	JAIPURKAR DEVENDRA GAJANAN	10
22	Ku	JATGADE GEETANJALI PRAKASH	12
23	Ku	KADU SANSKRUTI SANJAYRAO	11
24	Ku	KADU TANUSHKA ANAND	17
25		KARANJEKAR TANMAY KOMAL	16
26	Ku	KAROTIYA STUTI GIRISH	AA

Batch M 7 - PCSM

Sr. No.	Name of the Students		Marks out of 20
1	Ku	KHEDKAR MRUNAL RAJESH	20
2	Ku	KOHAD RIDDHI CHANDRASHEKHAR	13
3		KUMARE GAURAV SHEKHAR	12
4	Ku	KHAMBALKAR NIDHI VISHNUJI	15
5	Ku	LANGDE ANJALI DILIP	17
6		MAHAJAN ROHAN VITTHAL	9
7		MOURYA BHUSHAN PRAKASH	15
8	Ku	NAGAPURE KALYANI MOTILAL	14
9		NAGRALE TANMAY PRAMOD	16
10	Ku	NAIDU SWETA SANDEEP	14
11	Ku	NANDAGAWALI SUJAN AJAY	5
12		PANDEY RAGHAV MOHAN	13
13	Ku	PASI NANDINI ANILSINGH	14
14	Ku	PATHAK MADHURA MILIND	11
15		PIMPALKAR SWETH ARJUN	17
16	Ku	PORCHATTIWAR PRANALI SHAILENDRA	10
17	Ku	RADKE SAMIKSHA NAJUKRAM	15
18	Ku	RAJABHOJ AMISHA ASHISH	17
19	Ku	RAUT SAKSHI MANGESH	13
20	Ku	RAUT TANVI HIRENDRA	10
21		RAVIKUMAR RANJAN SUDARSHAN PRASAD	9
22		SHENDE JAY MADHUKAR	11
23	Ku	SHINDE TANUJA KISHOR	10
24	Ku	SIDDIQUE AAYESHA ASHFAQUE	14
25		WASNIK DIKSHANT PRASHANT	15

Batch M 8 - SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	PRIYA KUMARI DEONATH PRASAD	20
2	Ku	ADHAU AVANTI VIJAY	13
3		BAGADE PRANAV RAMBHAU	14
4	Ku	BAWANGADE KASHISH MUNESHWAR	16
5	Ku	BHAGAT SHRUTI RAJENDRA	14
6		DARVEKAR DARSHAN VIJAY	17
7	Ku	DIWAKAR JANHAVI PANKAJ	18
8		DORLE OM PRASANNA	9
9	Ku	GAIKWAD SHRUTI SACHIN	10
10	Ku	GHATOLE SANJANA MILIND	14

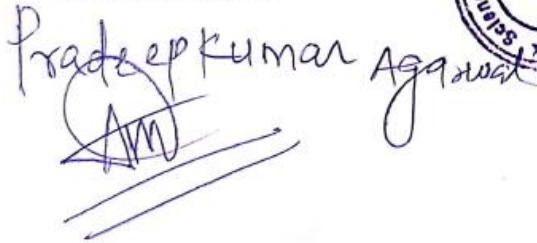
11	Ku	GOTMARE DHRUVIKA OMPRAKASH	15
12		HALDAR JAYANT JAGDISH	12
13		HEDAHO VIDHAN RAJESH	16
14	Ku	IYER AKSHAYA RAMESH	14
15	Ku	JAISWAL ANJALI PRAKASH	12
16	Ku	KABULE SHUBHADA VIKAS	11
17	Ku	KADU ARYA GAJANAN	10
18	Ku	KADU ASTHA GAJANAN	18
19		KADWE BHAVESH RAMESHWAR	AA
Batch M 9 - SCSM			
Sr.No.		Name of the Students	Marks out of 20
1	Ku	KHARWAR PRIYANKA MURARIPRASAD	12
2	Ku	MONDHE TRUPTI ASHOK	10
3	Ku	MOURYA GUNJAN VIKAS	15
4	Ku	NAIK ISHIKA SUNIL	16
5	Ku	NANDANWAR MANSI DHONDU	14
6		NANOTY ABHISHEK SHRIKANT	12
7		NIMJE ROHAN KAILASH	10
8		RAMTEKE HIMANSHU DILIP	9
9	Ku	RAUT DIVYANKA MANOJ	10
10	Ku	SAKHARE SUDHANSHU RAVINDRA	14
11	Ku	SANDEL SHRADDHA SUNIL	15
12	Ku	SANT EKTA DWARKA DAS	12
13	Ku	SHRIVASTAVA ISHITA SANTOSH	14
14	Ku	SINGH RIYA RAJESHKUMAR	18
15	Ku	SUR ANCHAL NINAD	20
16	Ku	SURUSE SEJAL VIVEKRAO	13
17		TIWARI RAJAT BRIJLALA	15
18	Ku	VARADE HARSHITA SANDEEP	10
19		VIRKHARE PARTH SANJAY	17
Batch M 10 - ECSM			
Sr.No.		Name of the Students	Marks out of 20
1	Ku	AMBEKAR NIHARIKA MAHESH	12
2	Ku	BARAI YOGESHREE DINESH	17
3	Ku	BARAMATE KHUSHI SHASHIKANT	19
4		BARAPATRE ANIKET PURUSHOTTAM	13
5	Ku	DANGE PRATIKSHA BABAN	20
6	Ku	DESHBHRATAR PARMITA SIDDHARTH	14
7	Ku	DOKWAL SHREYA NARENDRA	16
8		GUMGAONKAR PRATHMESH DINESH	17
9	Ku	JADHAV AKSHATA SUNIL	13
10	Ku	JIBHAKATE VAIDEHI SUNIL	11
11	Ku	KHIANI VISHAKA MANGHANLAL	10
12		KOCHE PRIYANSH BABURAO	10
13	Ku	KIRPAN AKANKSHA KUMESHWAR	9
14	Ku	LANJEWAR SAKSHI MOTIRAM	14

15	Ku	MAKODE HARSHU CHANDU	16
16	Ku	PATIL RUDHALI RAMESH	15
17		RANGARI HARSHAL BHOJRAJ	13
18	Ku	RAO KIRAN SHANTA	17
19	Ku	SAMARTH SHRUTI SUNIL	13
20		SANGITRAO VIPUL DEEPAK	10
21		SONTAKKE NUPUL MAHENDRA	AA
22	Ku	TAKALKHEDE DISHA SUNIL	16
23	Ku	TAMBUSKAR RUSHIKESH SATISHRAO	14
24	Ku	THAKRE KRUTIKA NIRAJ	18
25	Ku	UPRADE SAUMYA FULSINGH	20
26		WAKDE SANCHIT CHANDRASHEKHAR	17

Batch G 1 - CGM

Sr.No.		Name of the Students	Marks out of 20
1		ATTRI PRIYANSHU GYANENDRA SINGH	10
2		BANSPAL MAYUR RAGHVENDRA	14
3	Ku	BORKAR SANIYA KAILASH	18
4	Ku	CHIDE ARPITA SANDIP	11
5		DHUNDALE ARYAN RAJENDRA	9
6	Ku	DUBEY SAKSHI VIJAYKANT	12
7		JOSHI RUGVED DINESH	15
8		KHOT ANSHUL LAXMAN	19
9	Ku	KHOTELE SWATI PURUSHOTTAM	AA
10		MEHAR HARSHAL ASHOK	15
11	Ku	MESHARAM MRUNALI ROSHAN	13
12		SELOKAR ADITYA RAJESH	14

Name of Teacher

Pradeep Kumar Aggarwal






HEAD
 Department of Mathematics
 Science College, Congress Nagar
NAGPUR.
 Head of Department

**Shivaji Education Society Amravati's
Science College Congress Nagar Nagpur
Bachelor of Science (B. Sc.) (Semester-V) Examination
MATHEMATICS
Paper-I Unit Test II**

Time: [OneHours]


[Maximum Marks: 20]

N.B. :- Solve all questions, All questions carry equal marks.

- 1.(A) Prove that the general solution of the linear partial differential equation $Pp + Qq = R$ is $F(u, v) = 0$ where F is an arbitrary function $u(x, y, z) = c_1$ and $v(x, y, z) = c_2$ form a solution of the equations $\frac{dx}{P} = \frac{dy}{Q} = \frac{dz}{R}$ 5
- (B) Find the integral surface of the equation $x(y^2 + z)p - y(x^2 + z)q = (x^2 - y^2)z$ which contains the straight line $x + y = 0, z = 1$. 5
- (C) Show that PDE $z = px + qy$, is compatibility with any equation $f(x, y, z, p, q) = 0$, where f is homogenous in x, y, z . 5
- 6
- (D) Find the complete integral of $z^2 = pqxy$ by Charpit's method. 5


Name of Teacher




HEAD
Department of Mathematics
Science College, Congress Nagar,
NAGPUR,
Head of Department

SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Mathematics

B. Sc. III Semester-V (2023-24)

Result on unit test held on 01/11/2023

Subject : Mathematics Paper I

Name of the teacher :- Dr.A.M.Pund

Batch M 1 - PCM			
Sr.No.		Name of the Students	Marks out of 20
1	Ku	AGARKAR PRANJAL VIJAY	10
2	Ku	BAGDE SHRADDHA BABAN	14
3	Ku	BALODIYA RITIKA VISHNU	18
4		BHAGAT KRUNAL GAJANAN	11
5	Ku	BHAGAT SANJIVANI SAGAR	9
6	Ku	BILKAR AMISHA SITARAM	12
7		CHAUDHARY MUNESH RAVINDRASINGH	15
8	Ku	DAF PRADNYA CHANDRAKANTJI	19
9	Ku	DHABEKAR SWATI FATTU	13
10	Ku	JAUNJAL GARGI DILIP	10
11	Ku	KANOJE KHUSHI SANJAY	AA
12	Ku	KARKI SRUSHTI SUBHASH	16
13	Ku	KAWALE GAYTRI VINOD	14
14	Ku	KAYARKAR JANHVI DHIRENDRA	18
15	Ku	KENE JANVI SUBHASHRAO	20
16	Ku	LAKDE SHREYASH MAHADEO	17
17		LAKHE PRANAV BHUPESH	11
18	Ku	MARBATE SANSKRUTI RAJENDRA	15
Batch M 2 - PCM			
Sr.No.		Name of the Students	Marks out of 20
1	Ku	MASRAM NIKITA SITARAM	12
2	Ku	MEENA RUCHI MAHENDRA KUMAR	17
3	Ku	MESHARAM NIKHITA RAVIKANT	19
4		MOTWANI VARUN DOLAT	13
5	Ku	MOUNDEKAR VINKU MANIK	12
6		NARWADE SARTHAK ARUNRAO	17
7		PAROCHE PALAK SATISH	AA
8	Ku	PATLE SONALI SURESH	13
9		PAUNIKAR YASHWANT RAJU	20
10	Ku	PIMPLE MANYA GANESH	14
11	Ku	PITALEY SHRIVATSA PRASHANT	16
12	Ku	POPERE GARGI VINAYAK	17
13	Ku	RAUT DISHA VIJAY	13
14	Ku	SANGOLE AKANSHA SUBHASH	11
15	Ku	SHENDE CHAITRALI GANESHRAO	10
16		SHRIVAS PRATHAM SANJIV	10

17		WASE RUSHIKESH SHUBHAKAR	9
18	Ku	YADAV JAYSHREE PRAKASH	14
19	Ku	YADAV SAPNA JAIRISHNA	16
Batch M 3,4 - PEM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	BALAPURE PARI GAJANAN	19
2		BANSOD NIKHIL MILIND	13
3		BHIWGADE SHRINAY YOGESH	12
4	Ku	DHADSE VAISHNAVI VIJAY	17
5	Ku	DHAKATE SAKSHI PRAMOD	AA
6	Ku	JADHAV AASTHA SANJU	13
7	Ku	JOSHI ARTI SUBHASH	20
8	Ku	KHAPRE MUSKAN PRAKASH	14
9	Ku	LODHIKAR ANJALI NANESHWAR	16
10		MESHRAM NISHANT DUSHYANT	20
11	Ku	MESHRAM ROSHNI SHRIHARI	11
12	Ku	MISAR KHUSHI MANOJ	16
13	Ku	MISHRA MAHEK PRAMOD	17
14		PATEL LOKESH SHRINIWAS	19
15	Ku	PATHAK MUSKAN VINAY	10
16		SATHAWANE SHUBHAM RAJENDRA	14
17	Ku	SHARMA SNEHA RANJAY KUMAR	16
18		SIRSAT VIKRANT DEVENDRA	8
19	Ku	SONPIMPALE YASH ARVIND	19
20		WAGH SARANG VILASRAO	20
21	Ku	ZADE GAURI MUKESH	AA
Batch M 6 - PCSM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AGLAWA KHUSHI RAHUL	12
2	Ku	ARORA OSHEEN DARSHAN	15
3	Ku	BAWANGADE NIDHI SHAILESH	19
4	Ku	BHAKTE MOHIT PRABHAKAR	13
5	Ku	BHURE NISHANT DEEPAK	17
6	Ku	BHURE SAURABH RAMESH	AA
7	Ku	BHUTE MOHINI BHASKARRAO	9
8	Ku	CHANDORKAR KRUTIKA SUBODH	12
9	Ku	CHAPLE SAURAV UTTAM	8
10	Ku	CHARPE SHWETA SUNIL	11
11	Ku	CHAUDHARI ISHA DIPAKKUMAR	10
12	Ku	CHAUDHURY ROMIT RAJAT	17
13	Ku	CHAUHAN JYOTI DHANRAJ	15
14		DAILKAR JAY SHRIHARI	16
15	Ku	DABARE VAISHNAVI DINESH	12
16	Ku	DANGE MANASVI DILIP	14
17	Ku	DOBLE VEDANTI PRAMOD	13
18	Ku	DOIFODE GOURI ASHOK	18

19	Ku	GAJBHIYE DIVYASHRI SURENDRA	7
20	Ku	IYAR AGILESH JAYARAMAN	10
21	Ku	JAIPURKAR DEVENDRA GAJANAN	15
22	Ku	JATGADE GEETANJALI PRAKASH	16
23	Ku	KADU SANSKRUTI SANJAYRAO	20
24	Ku	KADU TANUSHKA ANAND	12
25		KARANJEKAR TANMAY KOMAL	20
26	Ku	KAROTIYA STUTI GIRISH	AA

Batch M 7 - PCSM

Sr. No.		Name of the Students	Marks out of 20
1	Ku	KHEDKAR MRUNAL RAJESH	17
2	Ku	KOHAD RIDDHI CHANDRASHEKHAR	15
3		KUMARE GAURAV SHEKHAR	16
4	Ku	KHAMBALKAR NIDHI VISHNUJI	12
5	Ku	LANGDE ANJALI DILIP	AA
6		MAHAJAN ROHAN VITTHAL	13
7		MOURYA BHUSHAN PRAKASH	18
8	Ku	NAGAPURE KALYANI MOTILAL	7
9		NAGRALE TANMAY PRAMOD	10
10	Ku	NAIDU SWETA SANDEEP	15
11	Ku	NANDAGAWALI SUJAN AJAY	16
12		PANDEY RAGHAV MOHAN	20
13	Ku	PASI NANDINI ANILSINGH	10
14	Ku	PATHAK MADHURA MILIND	1
15		PIMPALKAR SWETH ARJUN	12
16	Ku	PORCHATTIWAR PRANALI SHAILENDRA	13
17	Ku	RADKE SAMIKSHA NAJUKRAM	14
18	Ku	RAJABHOJ AMISHA ASHISH	15
19	Ku	RAUT SAKSHI MANGESH	18
20	Ku	RAUT TANVI HIRENDRA	19
21		RAVIKUMAR RANJAN SUDARSHAN PRASAD	20
22		SHENDE JAY MADHUKAR	20
23	Ku	SHINDE TANUJA KISHOR	14
24	Ku	SIDDIQUE AAYESHA ASHFAQUE	8
25		WASNIK DIKSHANT PRASHANT	10

Batch M 8 - SCSM

Sr.No.		Name of the Students	Marks out of 20
1	Ku	PRIYA KUMARI DEONATH PRASAD	12
2	Ku	ADHAU AVANTI VIJAY	10
3		BAGADE PRANAV RAMBHAU	15
4	Ku	BAWANGADE KASHISH MUNESHWAR	16
5	Ku	BHAGAT SHRUTI RAJENDRA	12
6		DARVEKAR DARSHAN VIJAY	13
7	Ku	DIWAKAR JANHAVI PANKAJ	AA
8		DORLE OM PRASANNA	10
9	Ku	GAIKWAD SHRUTI SACHIN	14

10	Ku	GHATOLE SANJANA MILIND	18
11	Ku	GOTMARE DHRUVIKA OMPRAKASH	15
12		HALDAR JAYANT JAGDISH	16
13		HEDAHO VIDHAN RAJESH	14
14	Ku	IYER AKSHAYA RAMESH	20
15	Ku	JAIWAL ANJALI PRAKASH	AA
16	Ku	KABULE SHUBHADA VIKAS	12
17	Ku	KADU ARYA GAJANAN	10
18	Ku	KADU ASTHA GAJANAN	14
19		KADWE BHAVESH RAMESHWAR	15

Batch M 9 - SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	KHARWAR PRIYANKA MURARIPRASAD	16
2	Ku	MONDHE TRUPTI ASHOK	12
3	Ku	MOURYA GUNJAN VIKAS	13
4	Ku	NAIK ISHIKA SUNIL	AA
5	Ku	NANDANWAR MANSI DHONDU	10
6		NANOTY ABHISHEK SHRIKANT	14
7		NIMJE ROHAN KAILASH	16
8		RAMTEKE HIMANSHU DILIP	12
9	Ku	RAUT DIVYANKA MANOJ	13
10	Ku	SAKHARE SUDHANSHU RAVINDRA	AA
11	Ku	SANDEL SHRADDHA SUNIL	10
12	Ku	SANT EKTA DWARKA DAS	14
13	Ku	SHRIVASTAVA ISHITA SANTOSH	18
14	Ku	SINGH RIYA RAJESHKUMAR	15
15	Ku	SUR ANCHAL NINAD	16
16	Ku	SURUSE SEJAL VIVEKRAO	14
17		TIWARI RAJAT BRIJLALA	20
18	Ku	VARADE HARSHITA SANDEEP	AA
19		VIRKHARE PARTH SANJAY	12

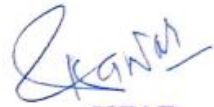
Batch M 10 - ECSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	AMBEKAR NIHARIKA MAHESH	10
2	Ku	BARAI YOGESHREE DINESH	12
3	Ku	BARAMATE KHUSHI SHASHIKANT	4
4		BARAPATRE ANIKET PURUSHOTTAM	12
5	Ku	DANGE PRATIKSHA BABAN	15
6	Ku	DESHBHRATAR PARMITA SIDDHARTH	14
7	Ku	DOKWAL SHREYA NARENDRA	16
8		GUMGAONKAR PRATHMESH DINESH	18
9	Ku	JADHAV AKSHATA SUNIL	14
10	Ku	JIBHAKATE VAIDEHI SUNIL	16
11	Ku	KHIANI VISHAKA MANGHANLAL	18
12		KOCHE PRIYANSH BABURAO	AA
13	Ku	KIRPAN AKANKSHA KUMESHWAR	10

14	Ku	LANJEWAR SAKSHI MOTIRAM	14
15	Ku	MAKODE HARSHU CHANDU	12
16	Ku	PATIL RUDHALI RAMESH	12
17		RANGARI HARSHAL BHOJRAJ	10
18	Ku	RAO KIRAN SHANTA	8
19	Ku	SAMARTH SHRUTI SUNIL	19
20		SANGITRAO VIPUL DEEPAK	14
21		SONTAKKE NUPUL MAHENDRA	15
22	Ku	TAKALKHEDE DISHA SUNIL	12
23	Ku	TAMBUSKAR RUSHIKESH SATISHRAO	13
24	Ku	THAKRE KRUTIKA NIRAJ	14
25	Ku	UPRADE SAUMYA FULSINGH	15
26		WAKDE SANCHIT CHANDRASHEKHAR	12
Batch G 1 – CGM			
Sr.No.	Name of the Students		Marks out of 20
1		ATTRI PRIYANSHU GYANENDRA SINGH	AA
2		BANSPAL MAYUR RAGHVENDRA	12
3	Ku	BORKAR SANIYA KAILASH	3
4	Ku	CHIDE ARPITA SANDIP	15
5		DHUNDALE ARYAN RAJENDRA	14
6	Ku	DUBEY SAKSHI VIJAYKANT	16
7		JOSHI RUGVED DINESH	13
8		KHOT ANSHUL LAXMAN	14
9	Ku	KHOTELE SWATI PURUSHOTTAM	17
10		MEHAR HARSHAL ASHOK	18
11	Ku	MESHARAM MRUNALI ROSHAN	15
12		SELOKAR ADITYA RAJESH	12


Name of Teacher




HEAD
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Head of Department

Shri Shivaji Education Society Amravati's
Science College Congress Nagar Nagpur
Bachelor of Science (B. Sc.) (Semester-V) Examination
MATHEMATICS
Paper-II Unit Test I

Time: [OneHours]

[Maximum Marks: 20]

N.B. :- Solve all questions, All questions carry equal marks.

1. (A) Prove that every field is an integral domain. Give an example to show that the converse is not true.
- (B) If R is a ring and $x^2 = x$ for all $x \in R$, then prove that R must be commutative.
- (C) If F is a field then prove that its only ideals are $\{0\}$ and F itself.
- (D) Let $J(\sqrt{2})$ be a ring of real numbers of the type $m+n\sqrt{2}$ (where m and n are integers) under usual addition and multiplication of real numbers. Define $\phi: J(\sqrt{2}) \rightarrow J(\sqrt{2})$ by $\phi: (m+n\sqrt{2}) = m-n\sqrt{2}$. Then prove that ϕ is a homomorphism. Also find Kernel of ϕ .



Name of Teacher



Head of Department

HEAD
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Science College Congress Nagar
NAGPUR.

SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Mathematics

B. Sc. III Semester-V (2023-24)

Result on unit test held on 06/09/2023

Subject : Mathematics Paper II

Name of the teacher :- Prof. Kalpana Pawar

Batch M 1 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AGARKAR PRANJAL VIJAY	10
2	Ku	BAGDE SHRADDHA BABAN	14
3	Ku	BALODIYA RITIKA VISHNU	14
4		BHAGAT KRUNAL GAJANAN	8
5	Ku	BHAGAT SANJIVANI SAGAR	12
6	Ku	BILKAR AMISHA SITARAM	AA
7		CHAUDHARY MUNESH RAVINDRASINGH	20
8	Ku	DAF PRADNYA CHANDRAKANTJI	17
9	Ku	DHABEKAR SWATI FATTU	AA
10	Ku	JAUNJAL GARGI DILIP	13
11	Ku	KANOJE KHUSHI SANJAY	13
12	Ku	KARKI SRUSHTI SUBHASH	20
13	Ku	KAWALE GAYTRI VINOD	17
14	Ku	KAYARKAR JANHVI DHIRENDRA	AA
15	Ku	KENE JANVI SUBHASHRAO	13
16	Ku	LAKDE SHREYASH MAHADEO	20
17		LAKHE PRANAV BHUPESH	12
18	Ku	MARBATE SANSKRUTI RAJENDRA	10
Batch M 2 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	MASRAM NIKITA SITARAM	12
2	Ku	MEENA RUCHI MAHENDRA KUMAR	14
3	Ku	MESHRAM NIKHITA RAVIKANT	15
4		MOTWANI VARUN DOLAT	20
5	Ku	MOUNDEKAR VINKU MANIK	17
6		NARWADE SARTHAK ARUNRAO	AA
7		PAROCHE PALAK SATISH	13
8	Ku	PATLE SONALI SURESH	13
9		PAUNIKAR YASHWANT RAJU	20
10	Ku	PIMPLE MANYA GANESH	17
11	Ku	PITALEY SHRIVATSA PRASHANT	AA
12	Ku	POPERE GARGI VINAYAK	13
13	Ku	RAUT DISHA VIJAY	20
14	Ku	SANGOLE AKANSHA SUBHASH	14
15	Ku	SHENDE CHAITRALI GANESHRAO	7
16		SHRIVAS PRATHAM SANJIV	19

17		WASE RUSHIKESH SHUBHAKAR	13
18	Ku	YADAV JAYSHREE PRAKASH	20
19	Ku	YADAV SAPNA JAIKRISHNA	15
Batch M 3,4 - PEM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	BALAPURE PARI GAJANAN	20
2		BANSOD NIKHIL MILIND	10
3		BHIWGADE SHRINAY YOGESH	20
4	Ku	DHADSE VAISHNAVI VIJAY	9
5	Ku	DHAKATE SAKSHI PRAMOD	12
6	Ku	JADHAV AASTHA SANJU	10
7	Ku	JOSHI ARTI SUBHASH	14
8	Ku	KHAPRE MUSKAN PRAKASH	14
9	Ku	LODHIKAR ANJALI NANESHWAR	8
10		MESHARAM NISHANT DUSHYANT	12
11	Ku	MESHARAM ROSHNI SHRIHARI	AA
12	Ku	MISAR KHUSHI MANOJ	11
13	Ku	MISHRA MAHEK PRAMOD	20
14		PATEL LOKESH SHRINIWAS	20
15	Ku	PATHAK MUSKAN VINAY	14
16		SATHAWANE SHUBHAM RAJENDRA	18
17	Ku	SHARMA SNEHA RANJAY KUMAR	4
18		SIRSAT VIKRANT DEVENDRA	15
19	Ku	SONPIMPALE YASH ARVIND	AA
20		WAGH SARANG VILASRAO	AA
21	Ku	ZADE GAURI MUKESH	10
Batch M 6 - PCSM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AGLAWA KHUSHI RAHUL	15
2	Ku	ARORA OSHEEN DARSHAN	14
3	Ku	BAWANGADE NIDHI SHAILESH	7
4	Ku	BHAKTE MOHIT PRABHAKAR	20
5	Ku	BHURE NISHANT DEEPAK	9
6	Ku	BHURE SAURABH RAMESH	12
7	Ku	BHUTE MOHINI BHASKARRAO	10
8	Ku	CHANDORKAR KRUTIKA SUBODH	14
9	Ku	CHAPLE SAURAV UTTAM	10
10	Ku	CHARPE SHWETA SUNIL	14
11	Ku	CHAUDHARI ISHA DIPAKKUMAR	15
12	Ku	CHAUDHURY ROMIT RAJAT	16
13	Ku	CHAUHAN JYOTI DHANRAJ	18
14		DAILKAR JAY SHRIHARI	20
15	Ku	DABARE VAISHNAVI DINESH	10
16	Ku	DANGE MANASVI DILIP	14
17	Ku	DOBLE VEDANTI PRAMOD	14
18	Ku	DOIFODE GOURI ASHOK	8

19	Ku	GAJBHIYE DIVYASHRI SURENDRA	16
20	Ku	IYAR AGILESH JAYARAMAN	14
21	Ku	JAIPURKAR DEVENDRA GAJANAN	12
22	Ku	JATGADE GEETANJALI PRAKASH	12
23	Ku	KADU SANSKRUTI SANJAYRAO	5
24	Ku	KADU TANUSHKA ANAND	11
25		KARANJEKAR TANMAY KOMAL	14
26	Ku	KAROTIYA STUTI GIRISH	AA

Batch M 7 - PCSM

Sr. No.	Name of the Students		Marks out of 20
1	Ku	KHEDKAR MRUNAL RAJESH	10
2	Ku	KOHAD RIDDHI CHANDRASHEKHAR	14
3		KUMARE GAURAV SHEKHAR	15
4	Ku	KHAMBALKAR NIDHI VISHNUJI	16
5	Ku	LANGDE ANJALI DILIP	18
6		MAHAJAN ROHAN VITTHAL	20
7		MOURYA BHUSHAN PRAKASH	10
8	Ku	NAGAPURE KALYANI MOTILAL	14
9		NAGRALE TANMAY PRAMOD	14
10	Ku	NAIDU SWETA SANDEEP	8
11	Ku	NANDAGAWALI SUJAN AJAY	16
12		PANDEY RAGHAV MOHAN	14
13	Ku	PASI NANDINI ANILSINGH	12
14	Ku	PATHAK MADHURA MILIND	12
15		PIMPALKAR SWETH ARJUN	15
16	Ku	PORCHATTIWAR PRANALI SHAIENDRA	13
17	Ku	RADKE SAMIKSHA NAJUKRAM	AA
18	Ku	RAJABHOJ AMISHA ASHISH	14
19	Ku	RAUT SAKSHI MANGESH	12
20	Ku	RAUT TANVI HIRENDRA	10
21		RAVIKUMAR RANJAN SUDARSHAN PRASAD	AA
22		SHENDE JAY MADHUKAR	10
23	Ku	SHINDE TANUJA KISHOR	12
24	Ku	SIDDIQUE AAYESHA ASHFAQUE	11
25		WASNIK DIKSHANT PRASHANT	10

Batch M 8 - SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	PRIYA KUMARI DEONATH PRASAD	20
2	Ku	ADHAU AVANTI VIJAY	13
3		BAGADE PRANAV RAMBHAU	15
4	Ku	BAWANGADE KASHISH MUNESHWAR	16
5	Ku	BHAGAT SHRUTI RAJENDRA	14
6		DARVEKAR DARSHAN VIJAY	12
7	Ku	DIWAKAR JANHAVI PANKAJ	12
8		DORLE OM PRASANNA	15
9	Ku	GAIKWAD SHRUTI SACHIN	13

10	Ku	GHATOLE SANJANA MILIND	AA
11	Ku	GOTMARE DHRUVIKA OMPRAKASH	14
12		HALDAR JAYANT JAGDISH	12
13		HEDA00 VIDHAN RAJESH	10
14	Ku	IYER AKSHAYA RAMESH	AA
15	Ku	JAISWAL ANJALI PRAKASH	10
16	Ku	KABULE SHUBHADA VIKAS	12
17	Ku	KADU ARYA GAJANAN	AA
18	Ku	KADU ASTHA GAJANAN	10
19		KADWE BHAVESH RAMESHWAR	12

Batch M 9 - SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	KHARWAR PRIYANKA MURARIPRASAD	AA
2	Ku	MONDHE TRUPTI ASHOK	11
3	Ku	MOURYA GUNJAN VIKAS	12
4	Ku	NAIK ISHIKA SUNIL	20
5	Ku	NANDANWAR MANSI DHONDU	9
6		NANOTY ABHISHEK SHRIKANT	12
7		NIMJE ROHAN KAILASH	10
8		RAMTEKE HIMANSHU DILIP	14
9	Ku	RAUT DIVYANKA MANOJ	14
10	Ku	SAKHARE SUDHANSHU RAVINDRA	8
11	Ku	SANDEL SHRADDHA SUNIL	12
12	Ku	SANT EKTA DWARKA DAS	AA
13	Ku	SHRIVASTAVA ISHITA SANTOSH	11
14	Ku	SINGH RIYA RAJESHKUMAR	20
15	Ku	SUR ANCHAL NINAD	20
16	Ku	SURUSE SEJAL VIVEKRAO	14
17		TIWARI RAJAT BRIJLALA	18
18	Ku	VARADE HARSHITA SANDEEP	4
19		VIRKHARE PARTH SANJAY	15

Batch M 10 - ECSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	AMBEKAR NIHARIKA MAHESH	
2	Ku	BARAI YOGESHREE DINESH	20
3	Ku	BARAMATE KHUSHI SHASHIKANT	9
4		BARAPATRE ANIKET PURUSHOTTAM	12
5	Ku	DANGE PRATIKSHA BABAN	10
6	Ku	DESHBHRATAR PARMITA SIDDHARTH	14
7	Ku	DOKWAL SHREYA NARENDRA	14
8		GUMGAONKAR PRATHMESH DINESH	8
9	Ku	JADHAV AKSHATA SUNIL	12
10	Ku	JIBHAKATE VAIDEHI SUNIL	AA
11	Ku	KHIANI VISHAKA MANGHANLAL	11
12		KOCHE PRIYANSH BABURAO	20
13	Ku	KIRPAN AKANKSHA KUMESHWAR	20

14	Ku	LANJEWAR SAKSHI MOTIRAM	14
15	Ku	MAKODE HARSHU CHANDU	8
16	Ku	PATIL RUDHALI RAMESH	12
17		RANGARI HARSHAL BHOJRAJ	AA
18	Ku	RAO KIRAN SHANTA	11
19	Ku	SAMARTH SHRUTI SUNIL	20
20		SANGITRAO VIPUL DEEPAK	20
21		SONTAKKE NUPUL MAHENDRA	14
22	Ku	TAKALKHEDE DISHA SUNIL	18
23	Ku	TAMBUSKAR RUSHIKESH SATISHRAO	4
24	Ku	THAKRE KRUTIKA NIRAJ	15
25	Ku	UPRADE SAUMYA FULSINGH	11
26		WAKDE SANCHIT CHANDRASHEKHAR	10
Batch G 1 – CGM			
Sr.No.	Name of the Students		Marks out of 20
1		ATTRI PRIYANSHU GYANENDRA SINGH	12
2		BANSPAL MAYUR RAGHVENDRA	10
3	Ku	BORKAR SANIYA KAILASH	12
4	Ku	CHIDE ARPITA SANDIP	14
5		DHUNDALE ARYAN RAJENDRA	15
6	Ku	DUBEY SAKSHI VIJAYKANT	16
7		JOSHI RUGVED DINESH	AA
8		KHOT ANSHUL LAXMAN	15
9	Ku	KHOTELE SWATI PURUSHOTTAM	14
10		MEHAR HARSHAL ASHOK	19
11	Ku	MESHARAM MRUNALI ROSHAN	20
12		SELOKAR ADITYA RAJESH	11



Name of Teacher





Head of Department

HEAD
Department of Mathematics
Science College, Congress Nagar
NAGPUR.

**Shri Shivaji Education Society Amravati's
Science College Congress Nagar Nagpur
Bachelor of Science (B. Sc.) (Semester-V) Examination
MATHEMATICS
Paper-II Unit Test II**

Time: [OneHours]

[Maximum Marks: 20]

N.B. :- Solve all questions, All questions carry equal marks.

1. (A) Evaluate $\oint_c \frac{\sin \pi z^2 + \cos \pi z^2}{(z-1)(z-2)} dz$ where c is circle $|z| = 3$.

(B) Using Cauchy integral formula, evaluate $\int_c \frac{(z-1)dz}{(z+1)^2(z-2)}$, where c is the circle $|z-i| = 2$.

(C) Determine the order of poles and values of residues of the function $\frac{z+1}{z^2(z-3)}$.

(D) Evaluate by the method of calculus of residues $\int_c \frac{e^z dz}{z(z-1)^2}$ where c is a circle $|z| = 2$.



Name of Teacher



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SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Mathematics

B. Sc. III Semester-V (2023-24)

Result on unit test held on 05/11/2023

Subject : Mathematics Paper II

Name of the teacher :- Prof. Kalpana Pawar

Batch M 1 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AGARKAR PRANJAL VIJAY	12
2	Ku	BAGDE SHRADDHA BABAN	17
3	Ku	BALODIYA RITIKA VISHNU	19
4		BHAGAT KRUNAL GAJANAN	13
5	Ku	BHAGAT SANJIVANI SAGAR	20
6	Ku	BILKAR AMISHA SITARAM	14
7		CHAUDHARY MUNESH RAVINDRASINGH	16
8	Ku	DAF PRADNYA CHANDRAKANTJI	17
9	Ku	DHABEKAR SWATI FATTU	13
10	Ku	JAUNJAL GARGI DILIP	11
11	Ku	KANOJE KHUSHI SANJAY	10
12	Ku	KARKI SRUSHTI SUBHASH	10
13	Ku	KAWALE GAYTRI VINOD	9
14	Ku	KAYARKAR JANHVI DHIRENDRA	AA
15	Ku	KENE JANVI SUBHASHRAO	12
16	Ku	LAKDE SHREYASH MAHADEO	10
17		LAKHE PRANAV BHUPESH	15
18	Ku	MARBATE SANSKRUTI RAJENDRA	14
Batch M 2 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	MASRAM NIKITA SITARAM	10
2	Ku	MEENA RUCHI MAHENDRA KUMAR	14
3	Ku	MESHARAM NIKHITA RAVIKANT	15
4		MOTWANI VARUN DOLAT	13
5	Ku	MOUNDEKAR VINKU MANIK	12
6		NARWADE SARTHAK ARUNRAO	12
7		PAROCHE PALAK SATISH	14
8	Ku	PATLE SONALI SURESH	12
9		PAUNIKAR YASHWANT RAJU	AA
10	Ku	PIMPLE MANYA GANESH	14
11	Ku	PITALEY SHRIVATSA PRASHANT	10
12	Ku	POPERE GARGI VINAYAK	12
13	Ku	RAUT DISHA VIJAY	10
14	Ku	SANGOLE AKANSHA SUBHASH	14
15	Ku	SHENDE CHAITRALI GANESHRAO	15
16		SHRIVAS PRATHAM SANJIV	16

17		WASE RUSHIKESH SHUBHAKAR	13
18	Ku	YADAV JAYSHREE PRAKASH	14
19	Ku	YADAV SAPNA JAIKRISHNA	10
Batch M 3,4 - PEM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	BALAPURE PARI GAJANAN	10
2		BANSOD NIKHIL MILIND	12
3		BHIWGADE SHRINAY YOGESH	13
4	Ku	DHADSE VAISHNAVI VIJAY	10
5	Ku	DHAKATE SAKSHI PRAMOD	14
6	Ku	JADHAV AASTHA SANJU	15
7	Ku	JOSHI ARTI SUBHASH	16
8	Ku	KHAPRE MUSKAN PRAKASH	12
9	Ku	LODHIKAR ANJALI NANESHWAR	11
10		MESHRAM NISHANT DUSHYANT	AA
11	Ku	MESHRAM ROSHNI SHRIHARI	12
12	Ku	MISAR KHUSHI MANOJ	12
13	Ku	MISHRA MAHEK PRAMOD	13
14		PATEL LOKESH SHRINIWAS	15
15	Ku	PATHAK MUSKAN VINAY	14
16		SATHAWANE SHUBHAM RAJENDRA	18
17	Ku	SHARMA SNEHA RANJAY KUMAR	4
18		SIRSAT VIKRANT DEVENDRA	20
19	Ku	SONPIMPALE YASH ARVIND	11
20		WAGH SARANG VILASRAO	AA
21	Ku	ZADE GAURI MUKESH	12
Batch M 6 - PCSM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AGLAWE KHUSHI RAHUL	10
2	Ku	ARORA OSHEEN DARSHAN	12
3	Ku	BAWANGADE NIDHI SHAILESH	13
4	Ku	BHAKTE MOHIT PRABHAKAR	10
5	Ku	BHURE NISHANT DEEPAK	14
6	Ku	BHURE SAURABH RAMESH	8
7	Ku	BHUTE MOHINI BHASKARRAO	12
8	Ku	CHANDORKAR KRUTIKA SUBODH	AA
9	Ku	CHAPLE SAURAV UTTAM	11
10	Ku	CHARPE SHWETA SUNIL	20
11	Ku	CHAUDHARI ISHA DIPAKKUMAR	20
12	Ku	CHAUDHURY ROMIT RAJAT	14
13	Ku	CHAUHAN JYOTI DHANRAJ	18
14		DAILKAR JAY SHRIHARI	4
15	Ku	DABARE VAISHNAVI DINESH	15
16	Ku	DANGE MANASVI DILIP	20
17	Ku	DOBLE VEDANTI PRAMOD	14
18	Ku	DOIFODE GOURI ASHOK	11

19	Ku	GAJBHIYE DIVYASHRI SURENDRA	10
20	Ku	IYAR AGILESH JAYARAMAN	16
21	Ku	JAIPURKAR DEVENDRA GAJANAN	15
22	Ku	JATGADE GEETANJALI PRAKASH	14
23	Ku	KADU SANSKRUTI SANJAYRAO	10
24	Ku	KADU TANUSHKA ANAND	8
25		KARANJEKAR TANMAY KOMAL	5
26	Ku	KAROTIYA STUTI GIRISH	12

Batch M 7 - PCSM

Sr. No.	Name of the Students		Marks out of 20
1	Ku	KHEDKAR MRUNAL RAJESH	14
2	Ku	KOHAD RIDDHI CHANDRASHEKHAR	8
3		KUMARE GAURAV SHEKHAR	12
4	Ku	KHAMBALKAR NIDHI VISHNUJI	AA
5	Ku	LANGDE ANJALI DILIP	11
6		MAHAJAN ROHAN VITTHAL	20
7		MOURYA BHUSHAN PRAKASH	20
8	Ku	NAGAPURE KALYANI MOTILAL	14
9		NAGRALE TANMAY PRAMOD	8
10	Ku	NAIDU SWETA SANDEEP	12
11	Ku	NANDAGAWALI SUJAN AJAY	14
12		PANDEY RAGHAV MOHAN	8
13	Ku	PASI NANDINI ANILSINGH	12
14	Ku	PATHAK MADHURA MILIND	AA
15		PIMPALKAR SWETH ARJUN	11
16	Ku	PORCHATTIWAR PRANALI SHAIENDRA	20
17	Ku	RADKE SAMIKSHA NAJUKRAM	20
18	Ku	RAJABHOJ AMISHA ASHISH	14
19	Ku	RAUT SAKSHI MANGESH	18
20	Ku	RAUT TANVI HIRENDRA	4
21		RAVIKUMAR RANJAN SUDARSHAN PRASAD	15
22		SHENDE JAY MADHUKAR	20
23	Ku	SHINDE TANUJA KISHOR	14
24	Ku	SIDDIQUE AAYESHA ASHFAQUE	11
25		WASNIK DIKSHANT PRASHANT	AA

Batch M 8 - SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	PRIYA KUMARI DEONATH PRASAD	18
2	Ku	ADHAU AVANTI VIJAY	15
3		BAGADE PRANAV RAMBHAU	15
4	Ku	BAWANGADE KASHISH MUNESHWAR	20
5	Ku	BHAGAT SHRUTI RAJENDRA	14
6		DARVEKAR DARSHAN VIJAY	11
7	Ku	DIWAKAR JANHAVI PANKAJ	AA
8		DORLE OM PRASANNA	20
9	Ku	GAIKWAD SHRUTI SACHIN	9

10	Ku	GHATOLE SANJANA MILIND	12
11	Ku	GOTMARE DHRUVIKA OMPRAKASH	10
12		HALDAR JAYANT JAGDISH	15
13		HEDAOO VIDHAN RAJESH	14
14	Ku	IYER AKSHAYA RAMESH	8
15	Ku	JAISWAL ANJALI PRAKASH	12
16	Ku	KABULE SHUBHADA VIKAS	AA
17	Ku	KADU ARYA GAJANAN	20
18	Ku	KADU ASTHA GAJANAN	13
19		KADWE BHAVESH RAMESHWAR	14

Batch M 9 - SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	KHARWAR PRIYANKA MURARIPRASAD	20
2	Ku	MONDHE TRUPTI ASHOK	9
3	Ku	MOURYA GUNJAN VIKAS	12
4	Ku	NAIK ISHIKA SUNIL	10
5	Ku	NANDANWAR MANSI DHONDU	14
6		NANOTY ABHISHEK SHRIKANT	14
7		NIMJE ROHAN KAILASH	8
8		RAMTEKE HIMANSHU DILIP	12
9	Ku	RAUT DIVYANKA MANOJ	AA
10	Ku	SAKHARE SUDHANSHU RAVINDRA	11
11	Ku	SANDEL SHRADDHA SUNIL	20
12	Ku	SANT EKTA DWARKA DAS	20
13	Ku	SHRIVASTAVA ISHITA SANTOSH	14
14	Ku	SINGH RIYA RAJESHKUMAR	18
15	Ku	SUR ANCHAL NINAD	4
16	Ku	SURUSE SEJAL VIVEKRAO	15
17		TIWARI RAJAT BRIJLALA	20
18	Ku	VARADE HARSHITA SANDEEP	14
19		VIRKHARE PARTH SANJAY	20

Batch M 10 - ECSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	AMBEKAR NIHARIKA MAHESH	17
2	Ku	BARAI YOGESHREE DINESH	19
3	Ku	BARAMATE KHUSHI SHASHIKANT	13
4		BARAPATRE ANIKET PURUSHOTTAM	20
5	Ku	DANGE PRATIKSHA BABAN	14
6	Ku	DESHBHRATAR PARMITA SIDDHARTH	11
7	Ku	DOKWAL SHREYA NARENDRA	19
8		GUMGAONKAR PRATHMESH DINESH	13
9	Ku	JADHAV AKSHATA SUNIL	20
10	Ku	JIBHAKATE VAIDEHI SUNIL	17
11	Ku	KHIANI VISHAKA MANGHANLAL	AA
12		KOCHE PRIYANSH BABURAO	13
13	Ku	KIRPAN AKANKSHA KUMESHWAR	20

14	Ku	LANJEWAR SAKSHI MOTIRAM	14
15	Ku	MAKODE HARSHU CHANDU	7
16	Ku	PATIL RUDHALI RAMESH	19
17		RANGARI HARSHAL BHOJRAJ	13
18	Ku	RAO KIRAN SHANTA	20
19	Ku	SAMARTH SHRUTI SUNIL	14
20		SANGITRAO VIPUL DEEPAK	16
21		SONTAKKE NUPUL MAHENDRA	17
22	Ku	TAKALKHEDE DISHA SUNIL	13
23	Ku	TAMBUSKAR RUSHIKESH SATISHRAO	11
24	Ku	THAKRE KRUTIKA NIRAJ	10
25	Ku	UPRADE SAUMYA FULSINGH	10
26		WAKDE SANCHIT CHANDRASHEKHAR	9
Batch G 1 - CGM			
Sr.No.	Name of the Students		Marks out of 20
1		ATTRI PRIYANSHU GYANENDRA SINGH	10
2		BANSPAL MAYUR RAGHVENDRA	14
3	Ku	BORKAR SANIYA KAILASH	14
4	Ku	CHIDE ARPITA SANDIP	8
5		DHUNDALE ARYAN RAJENDRA	12
6	Ku	DUBEY SAKSHI VIJAYKANT	AA
7		JOSHI RUGVED DINESH	11
8		KHOT ANSHUL LAXMAN	20
9	Ku	KHOTELE SWATI PURUSHOTTAM	20
10		MEHAR HARSHAL ASHOK	14
11	Ku	MESHARAM MRUNALI ROSHAN	18
12		SELOKAR ADITYA RAJESH	4



Name of Teacher





Head of Department

HEAD
Department of Mathematics
Science College, Congress Nagar
NAGPUR.

Shri Shivaji Education Society Amravati's
Science College Congress Nagar Nagpur
Bachelor of Science (B. Sc.) (Semester-VI) Examination
MATHEMATICS
Paper-I Unit Test I

Time: [OneHours]


[Maximum Marks: 20]

N.B. :- Solve all questions, All questions carry equal marks.

1. (A) Let $B = \{(1, 1), (1, -1)\}$ a basis of V_2 and $T : V_2 \rightarrow V_4$ be a linear map defined by $T(1, 1) = (0, 1, 0, 0)$ and $T(1, -1) = (1, 0, 0, 0)$ then find $T(x, y)$.
- (B) Let $T : V_3 \rightarrow V_3$ be a linear map defined by $T(x_1, x_2, x_3) = (x_1 + x_2, x_2 + x_3, x_3 - 2x_1)$, then find range, rank, kernel and nullity of T and verify Rank-Nullity theorem.
- (C) Prove that the linear map $T : V_3 \rightarrow V_3$ defined by $T(e_1) = e_1 + e_2$, $T(e_2) = e_2 + e_3$, $T(e_3) = e_1 + e_2 + e_3$ is non-singular and find T^{-1} .
- (D) Let $T : U \rightarrow V$ and $S : V \rightarrow W$ be two linear maps then prove that (i) if S and T are non-singular then ST is non-singular (ii) $(ST)^{-1} = T^{-1}S^{-1}$.


Name of Teacher




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SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Mathematics

B. Sc. III Semester-VI (2023-24)

Result on unit test held on 20/01/2024

Subject : Mathematics Paper I

Name of the teacher :- Dr.A.M.Pund

Batch M 1 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AGARKAR PRANJAL VIJAY	13
2	Ku	BAGDE SHRADDHA BABAN	11
3	Ku	BALODIYA RITIKA VISHNU	10
4		BHAGAT KRUNAL GAJANAN	10
5	Ku	BHAGAT SANJIVANI SAGAR	9
6	Ku	BILKAR AMISHA SITARAM	14
7		CHAUDHARY MUNESH RAVINDRASINGH	16
8	Ku	DAF PRADNYA CHANDRAKANTJI	15
9	Ku	DHABEKAR SWATI FATTU	AA
10	Ku	JAUNJAL GARGI DILIP	17
11	Ku	KANOJE KHUSHI SANJAY	13
12	Ku	KARKI SRUSHTI SUBHASH	10
13	Ku	KAWALE GAYTRI VINOD	AA
14	Ku	KAYARKAR JANHVI DHIRENDRA	16
15	Ku	KENE JANVI SUBHASHRAO	12
16	Ku	LAKDE SHREYASH MAHADEO	14
17		LAKHE PRANAV BHUPESH	15
18	Ku	MARBATE SANSKRUTI RAJENDRA	20
Batch M 2 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	MASRAM NIKITA SITARAM	12
2	Ku	MEENA RUCHI MAHENDRA KUMAR	13
3	Ku	MESHAM NIKHITA RAVIKANT	15
4		MOTWANI VARUN DOLAT	18
5	Ku	MOUNDEKAR VINKU MANIK	20
6		NARWADE SARTHAK ARUNRAO	AA
7		PAROCHE PALAK SATISH	10
8	Ku	PATLE SONALI SURESH	15
9		PAUNIKAR YASHWANT RAJU	16
10	Ku	PIMPLE MANYA GANESH	14
11	Ku	PITALEY SHRIVATSA PRASHANT	17
12	Ku	POPERE GARGI VINAYAK	11
13	Ku	RAUT DISHA VIJAY	12
14	Ku	SANGOLE AKANSHA SUBHASH	10

15	Ku	SHENDE CHAITRALI GANESHRAO	15
16		SHRIVAS PRATHAM SANJIV	16
17		WASE RUSHIKESH SHUBHAKAR	11
18	Ku	YADAV JAYSHREE PRAKASH	AA
19	Ku	YADAV SAPNA JAIKRISHNA	11

Batch M 3,4 - PEM

Sr.No.		Name of the Students	Marks out of 20
1	Ku	BALAPURE PARI GAJANAN	10
2		BANSOD NIKHIL MILIND	15
3		BHIWGADE SHRINAY YOGESH	16
4	Ku	DHADSE VAISHNAVI VIJAY	14
5	Ku	DHAKATE SAKSHI PRAMOD	16
6	Ku	JADHAV AASTHA SANJU	19
7	Ku	JOSHI ARTI SUBHASH	AA
8	Ku	KHAPRE MUSKAN PRAKASH	10
9	Ku	LODHIKAR ANJALI NANESHWAR	12
10		MESHARAM NISHANT DUSHYANT	12
11	Ku	MESHARAM ROSHNI SHRIHARI	14
12	Ku	MISAR KHUSHI MANOJ	15
13	Ku	MISHRA MAHEK PRAMOD	13
14		PATEL LOKESH SHRINIWAS	16
15	Ku	PATHAK MUSKAN VINAY	9
16		SATHAWANE SHUBHAM RAJENDRA	AA
17	Ku	SHARMA SNEHA RANJAY KUMAR	8
18		SIRSAT VIKRANT DEVENDRA	14
19	Ku	SONPIMPALE YASH ARVIND	14
20		WAGH SARANG VILASRAO	15
21	Ku	ZADE GAURI MUKESH	12

Batch M 6 - PCSM

Sr.No.		Name of the Students	Marks out of 20
1	Ku	AGLAWE KHUSHI RAHUL	10
2	Ku	ARORA OSHEEN DARSHAN	14
3	Ku	BAWANGADE NIDHI SHAILESH	15
4	Ku	BHAKTE MOHIT PRABHAKAR	16
5	Ku	BHURE NISHANT DEEPAK	13
6	Ku	BHURE SAURABH RAMESH	AA
7	Ku	BHUTE MOHINI BHASKARRAO	10
8	Ku	CHANDORKAR KRUTIKA SUBODH	12
9	Ku	CHAPLE SAURAV UTTAM	12
10	Ku	CHARPE SHWETA SUNIL	17
11	Ku	CHAUDHARI ISHA DIPAKKUMAR	15
12	Ku	CHAUDHURY ROMIT RAJAT	16
13	Ku	CHAUHAN JYOTI DHANRAJ	19
14		DAILKAR JAY SHRIHARI	20
15	Ku	DABARE VAISHNAVI DINESH	11
16	Ku	DANGE MANASVI DILIP	10

17	Ku	DOBLE VEDANTI PRAMOD	16
18	Ku	DOIFODE GOURI ASHOK	10
19	Ku	GAJBHIYE DIVYASHRI SURENDRA	14
20	Ku	IYAR AGILESH JAYARAMAN	15
21	Ku	JAIPURKAR DEVENDRA GAJANAN	8
22	Ku	JATGADE GEETANJALI PRAKASH	9
23	Ku	KADU SANSKRUTI SANJAYRAO	10
24	Ku	KADU TANUSHKA ANAND	14
25		KARANJEKAR TANMAY KOMAL	15
26	Ku	KAROTIYA STUTI GIRISH	10

Batch M 7 - PCSM

Sr. No.	Name of the Students		Marks out of 20
1	Ku	KHEDKAR MRUNAL RAJESH	11
2	Ku	KOHAD RIDDHI CHANDRASHEKHAR	20
3		KUMARE GAURAV SHEKHAR	AA
4	Ku	KHAMBALKAR NIDHI VISHNUJI	10
5	Ku	LANGDE ANJALI DILIP	12
6		MAHAJAN ROHAN VITTHAL	12
7		MOURYA BHUSHAN PRAKASH	14
8	Ku	NAGAPURE KALYANI MOTILAL	15
9		NAGRALE TANMAY PRAMOD	16
10	Ku	NAIDU SWETA SANDEEP	12
11	Ku	NANDAGAWALI SUJAN AJAY	13
12		PANDEY RAGHAV MOHAN	14
13	Ku	PASI NANDINI ANILSINGH	17
14	Ku	PATHAK MADHURA MILIND	18
15		PIMPALKAR SWETH ARJUN	AA
16	Ku	PORCHATTIWAR PRANALI SHAILENDRA	10
17	Ku	RADKE SAMIKSHA NAJUKRAM	12
18	Ku	RAJABHOJ AMISHA ASHISH	13
19	Ku	RAUT SAKSHI MANGESH	13
20	Ku	RAUT TANVI HIRENDRA	15
21		RAVIKUMAR RANJAN SUDARSHAN PRASAD	15
22		SHENDE JAY MADHUKAR	AA
23	Ku	SHINDE TANUJA KISHOR	11
24	Ku	SIDDIQUE AAYESHA ASHFAQUE	10
25		WASNIK DIKSHANT PRASHANT	10

Batch M 8 - SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	PRIYA KUMARI DEONATH PRASAD	12
2	Ku	ADHAU AVANTI VIJAY	12
3		BAGADE PRANAV RAMBHAU	15
4	Ku	BAWANGADE KASHISH MUNESHWAR	16
5	Ku	BHAGAT SHRUTI RAJENDRA	14
6		DARVEKAR DARSHAN VIJAY	13
7	Ku	DIWAKAR JANHAVI PANKAJ	14

8		DORLE OM PRASANNA	12
9	Ku	GAIKWAD SHRUTI SACHIN	19
10	Ku	GHATOLE SANJANA MILIND	20
11	Ku	GOTMARE DHRUVIKA OMPRAKASH	20
12		HALDAR JAYANT JAGDISH	14
13		HEDAHO VIDHAN RAJESH	14
14	Ku	IYER AKSHAYA RAMESH	15
15	Ku	JAIWAL ANJALI PRAKASH	16
16	Ku	KABULE SHUBHADA VIKAS	11
17	Ku	KADU ARYA GAJANAN	11
18	Ku	KADU ASTHA GAJANAN	20
19		KADWE BHAVESH RAMESHWAR	AA

Batch M 9 - SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	KHARWAR PRIYANKA MURARIPRASAD	12
2	Ku	MONDHE TRUPTI ASHOK	12
3	Ku	MOURYA GUNJAN VIKAS	12
4	Ku	NAIK ISHIKA SUNIL	13
5	Ku	NANDANWAR MANSI DHONDU	15
6		NANOTY ABHISHEK SHRIKANT	16
7		NIMJE ROHAN KAILASH	AA
8		RAMTEKE HIMANSHU DILIP	10
9	Ku	RAUT DIVYANKA MANOJ	12
10	Ku	SAKHARE SUDHANSHU RAVINDRA	12
11	Ku	SANDEL SHRADDHA SUNIL	13
12	Ku	SANT EKTA DWARKA DAS	15
13	Ku	SHRIVASTAVA ISHITA SANTOSH	16
14	Ku	SINGH RIYA RAJESHKUMAR	14
15	Ku	SUR ANCHAL NINAD	18
16	Ku	SURUSE SEJAL VIVEKRAO	8
17		TIWARI RAJAT BRIJLALA	8
18	Ku	VARADE HARSHITA SANDEEP	14
19		VIRKHARE PARTH SANJAY	15

16

Sr.No.	Name of the Students		Marks out of 20
1	Ku	AMBEKAR NIHARIKA MAHESH	15
2	Ku	BARAI YOGESHREE DINESH	16
3	Ku	BARAMATE KHUSHI SHASHIKANT	AA
4		BARAPATRE ANIKET PURUSHOTTAM	10
5	Ku	DANGE PRATIKSHA BABAN	12
6	Ku	DESHBHRATAR PARMITA SIDDHARTH	12
7	Ku	DOKWAL SHREYA NARENDRA	15
8		GUMGAONKAR PRATHMESH DINESH	16
9	Ku	JADHAV AKSHATA SUNIL	AA
10	Ku	JIBHAKATE VAIDEHI SUNIL	10
11	Ku	KHIANI VISHAKA MANGHANLAL	12


12		KOCHE PRIYANSH BABURAO	12
13	Ku	KIRPAN AKANKSHA KUMESHWAR	15
14	Ku	LANJEWAR SAKSHI MOTIRAM	16
15	Ku	MAKODE HARSHU CHANDU	AA
16	Ku	PATIL RUDHALI RAMESH	10
17		RANGARI HARSHAL BHOJRAJ	12
18	Ku	RAO KIRAN SHANTA	12
19	Ku	SAMARTH SHRUTI SUNIL	13
20		SANGITRAO VIPUL DEEPAK	15
21		SONTAKKE NUPUL MAHENDRA	16
22	Ku	TAKALKHEDE DISHA SUNIL	14
23	Ku	TAMBUSKAR RUSHIKESH SATISHRAO	18
24	Ku	THAKRE KRUTIKA NIRAJ	12
25	Ku	UPRADE SAUMYA FULSINGH	10
26		WAKDE SANCHIT CHANDRASHEKHAR	8

Batch G 1 – CGM

Sr.No.		Name of the Students	Marks out of 20
1		ATTRI PRIYANSHU GYANENDRA SINGH	12
2		BANSPAL MAYUR RAGHVENDRA	12
3	Ku	BORKAR SANIYA KAILASH	15
4	Ku	CHIDE ARPITA SANDIP	16
5		DHUNDALE ARYAN RAJENDRA	AA
6	Ku	DUBEY SAKSHI VIJAYKANT	10
7		JOSHI RUGVED DINESH	12
8		KHOT ANSHUL LAXMAN	12
9	Ku	KHOTELE SWATI PURUSHOTTAM	13
10		MEHAR HARSHAL ASHOK	15
11	Ku	MESHARAM MRUNALI ROSHAN	16
12		SELOKAR ADITYA RAJESH	14


Name of Teacher




HEAD
Department of Mathematics
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Head of Department

**Shri Shivaji Education Society Amravati's
Science College Congress Nagar Nagpur
Bachelor of Science (B. Sc.) (Semester-VI) Examination
MATHEMATICS
Paper-I Unit Test II**

Time: [OneHours]

[Maximum Marks: 20]

N.B. :- Solve all questions, All questions carry equal marks.

1. (A) When a geodesic makes an angle θ with the curve $v = \text{constant}$ of a geodesic coordinate system for which


$ds^2 = du^2 + G dv^2$, then prove that

$$\frac{d\theta}{ds} + \frac{\partial}{\partial u} (\sqrt{G}) v' = 0.$$


- (B) Prove that in the geodesic polar form, the Gaussian curvature is given by $k = \frac{-g_{11}}{g}$, where $g = \sqrt{G}$ of the surface.

OR

- (C) Prove that two geodesics at right angles have their torsions equal in magnitude but opposite in sign.
- (D) Obtain the geodesic curvature vector of a curve on a right helicoid $\vec{r} = (u \cos v, u \sin v, av)$ by using different formulae for it.


Name of Teacher




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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Mathematics

B. Sc. III Semester-VI (2023-24)

Result on unit test held on 07/03/2024

Subject : Mathematics Paper I

Name of the teacher :- Dr.A.M.Pund

Batch M 1 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AGARKAR PRANJAL VIJAY	20
2	Ku	BAGDE SHRADDHA BABAN	14
3	Ku	BALODIYA RITIKA VISHNU	14
4		BHAGAT KRUNAL GAJANAN	8
5	Ku	BHAGAT SANJIVANI SAGAR	12
6	Ku	BILKAR AMISHA SITARAM	AA
7		CHAUDHARY MUNESH RAVINDRASINGH	20
8	Ku	DAF PRADNYA CHANDRAKANTJI	17
9	Ku	DHABEKAR SWATI FATTU	AA
10	Ku	JAUNJAL GARGI DILIP	13
11	Ku	KANOJE KHUSHI SANJAY	13
12	Ku	KARKI SRUSHTI SUBHASH	20
13	Ku	KAWALE GAYTRI VINOD	17
14	Ku	KAYARKAR JANHVI DHIRENDRA	AA
15	Ku	KENE JANVI SUBHASHRAO	15
16	Ku	LAKDE SHREYASH MAHADEO	14
17		LAKHE PRANAV BHUPESH	18
18	Ku	MARBATE SANSKRUTI RAJENDRA	19
Batch M 2 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	MASRAM NIKITA SITARAM	12
2	Ku	MEENA RUCHI MAHENDRA KUMAR	12
3	Ku	MESHRAM NIKHITA RAVIKANT	10
4		MOTWANI VARUN DOLAT	18
5	Ku	MOUNDEKAR VINKU MANIK	14
6		NARWADE SARTHAK ARUNRAO	14
7		PAROCHE PALAK SATISH	8
8	Ku	PATLE SONALI SURESH	12
9		PAUNIKAR YASHWANT RAJU	AA
10	Ku	PIMPLE MANYA GANESH	20
11	Ku	PITALEY SHRIVATSA PRASHANT	17
12	Ku	POPERE GARGI VINAYAK	AA
13	Ku	RAUT DISHA VIJAY	13
14	Ku	SANGOLE AKANSHA SUBHASH	13
15	Ku	SHENDE CHAITRALI GANESHRAO	20

16		SHRIVAS PRATHAM SANJIV	17
17		WASE RUSHIKESH SHUBHAKAR	AA
18	Ku	YADAV JAYSHREE PRAKASH	12
19	Ku	YADAV SAPNA JAIKRISHNA	11

Batch M 3,4 - PEM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	BALAPURE PARI GAJANAN	12
2		BANSOD NIKHIL MILIND	AA
3		BHIWGADE SHRINAY YOGESH	20
4	Ku	DHADSE VAISHNAVI VIJAY	17
5	Ku	DHAKATE SAKSHI PRAMOD	AA
6	Ku	JADHAV AASTHA SANJU	14
7	Ku	JOSHI ARTI SUBHASH	14
8	Ku	KHAPRE MUSKAN PRAKASH	12
9	Ku	LODHIKAR ANJALI NANESHWAR	AA
10		MESHRAM NISHANT DUSHYANT	20
11	Ku	MESHRAM ROSHNI SHRIHARI	17
12	Ku	MISAR KHUSHI MANOJ	AA
13	Ku	MISHRA MAHEK PRAMOD	14
14		PATEL LOKESH SHRINIWAS	14
15	Ku	PATHAK MUSKAN VINAY	8
16		SATHAWANE SHUBHAM RAJENDRA	12
17	Ku	SHARMA SNEHA RANJAY KUMAR	AA
18		SIRSAT VIKRANT DEVENDRA	20
19	Ku	SONPIMPALE YASH ARVIND	17
20		WAGH SARANG VILASRAO	AA
21	Ku	ZADE GAURI MUKESH	12

Batch M 6 - PCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	AGLAWA KHUSHI RAHUL	14
2	Ku	ARORA OSHEEN DARSHAN	14
3	Ku	BAWANGADE NIDHI SHAILESH	8
4	Ku	BHAKTE MOHIT PRABHAKAR	12
5	Ku	BHURE NISHANT DEEPAK	AA
6	Ku	BHURE SAURABH RAMESH	20
7	Ku	BHUTE MOHINI BHASKARRAO	17
8	Ku	CHANDORKAR KRUTIKA SUBODH	AA
9	Ku	CHAPLE SAURAV UTTAM	8
10	Ku	CHARPE SHWETA SUNIL	12
11	Ku	CHAUDHARI ISHA DIPAKKUMAR	AA
12	Ku	CHAUDHURY ROMIT RAJAT	20
13	Ku	CHAUHAN JYOTI DHANRAJ	17
14		DAILKAR JAY SHRIHARI	AA
15	Ku	DABARE VAISHNAVI DINESH	13
16	Ku	DANGE MANASVI DILIP	13
17	Ku	DOBLE VEDANTI PRAMOD	20

18	Ku	DOIFODE GOURI ASHOK	17
19	Ku	GAJBHIYE DIVYASHRI SURENDRA	14
20	Ku	IYAR AGILESH JAYARAMAN	14
21	Ku	JAIPURKAR DEVENDRA GAJANAN	8
22	Ku	JATGADE GEETANJALI PRAKASH	12
23	Ku	KADU SANSKRUTI SANJAYRAO	AA
24	Ku	KADU TANUSHKA ANAND	20
25		KARANJEKAR TANMAY KOMAL	17
26	Ku	KAROTIYA STUTI GIRISH	AA

Batch M 7 - PCSM

Sr. No.	Name of the Students		Marks out of 20
1	Ku	KHEDKAR MRUNAL RAJESH	12
2	Ku	KOHAD RIDDHI CHANDRASHEKHAR	14
3		KUMARE GAURAV SHEKHAR	15
4	Ku	KHAMBALKAR NIDHI VISHNUJI	16
5	Ku	LANGDE ANJALI DILIP	14
6		MAHAJAN ROHAN VITTHAL	14
7		MOURYA BHUSHAN PRAKASH	8
8	Ku	NAGAPURE KALYANI MOTILAL	12
9		NAGRALE TANMAY PRAMOD	AA
10	Ku	NAIDU SWETA SANDEEP	20
11	Ku	NANDAGAWALI SUJAN AJAY	17
12		PANDEY RAGHAV MOHAN	AA
13	Ku	PASI NANDINI ANILSINGH	13
14	Ku	PATHAK MADHURA MILIND	13
15		PIMPALKAR SWETH ARJUN	20
16	Ku	PORCHATTIWAR PRANALI SHAILENDRA	17
17	Ku	RADKE SAMIKSHA NAJUKRAM	AA
18	Ku	RAJABHOJ AMISHA ASHISH	12
19	Ku	RAUT SAKSHI MANGESH	12
20	Ku	RAUT TANVI HIRENDRA	18
21		RAVIKUMAR RANJAN SUDARSHAN PRASAD	19
22		SHENDE JAY MADHUKAR	17
23	Ku	SHINDE TANUJA KISHOR	15
24	Ku	SIDDIQUE AAYESHA ASHFAQUE	AA
25		WASNIK DIKSHANT PRASHANT	15

Batch M 8 - SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	PRIYA KUMARI DEONATH PRASAD	15
2	Ku	ADHAU AVANTI VIJAY	12
3		BAGADE PRANAV RAMBHAU	12
4	Ku	BAWANGADE KASHISH MUNESHWAR	14
5	Ku	BHAGAT SHRUTI RAJENDRA	17
6		DARVEKAR DARSHAN VIJAY	14
7	Ku	DIWAKAR JANHAVI PANKAJ	14
8		DORLE OM PRASANNA	8

9	Ku	GAIKWAD SHRUTI SACHIN	12
10	Ku	GHATOLE SANJANA MILIND	AA
11	Ku	GOTMARE DHRUVIKA OMPRAKASH	20
12		HALDAR JAYANT JAGDISH	17
13		HEDAOO VIDHAN RAJESH	AA
14	Ku	IYER AKSHAYA RAMESH	13
15	Ku	JAIWAL ANJALI PRAKASH	13
16	Ku	KABULE SHUBHADA VIKAS	20
17	Ku	KADU ARYA GAJANAN	17
18	Ku	KADU ASTHA GAJANAN	AA
19		KADWE BHAVESH RAMESHWAR	18

Batch M 9 - SCSM

Sr.No.		Name of the Students	Marks out of 20
1	Ku	KHARWAR PRIYANKA MURARIPRASAD	8
2	Ku	MONDHE TRUPTI ASHOK	14
3	Ku	MOURYA GUNJAN VIKAS	16
4	Ku	NAIK ISHIKA SUNIL	14
5	Ku	NANDANWAR MANSI DHONDU	14
6		NANOTY ABHISHEK SHRIKANT	8
7		NIMJE ROHAN KAILASH	12
8		RAMTEKE HIMANSHU DILIP	AA
9	Ku	RAUT DIVYANKA MANOJ	20
10	Ku	SAKHARE SUDHANSHU RAVINDRA	17
11	Ku	SANDEL SHRADDHA SUNIL	AA
12	Ku	SANT EKTA DWARKA DAS	13
13	Ku	SHRIVASTAVA ISHITA SANTOSH	13
14	Ku	SINGH RIYA RAJESHKUMAR	20
15	Ku	SUR ANCHAL NINAD	17
16	Ku	SURUSE SEJAL VIVEKRAO	AA
17		TIWARI RAJAT BRIJLALA	14
18	Ku	VARADE HARSHITA SANDEEP	20
19		VIRKHARE PARTH SANJAY	AA

Batch M 10 - ECSM

Sr.No.		Name of the Students	Marks out of 20
1	Ku	AMBEKAR NIHARIKA MAHESH	11
2	Ku	BARAI YOGESHREE DINESH	13
3	Ku	BARAMATE KHUSHI SHASHIKANT	15
4		BARAPATRE ANIKET PURUSHOTTAM	14
5	Ku	DANGE PRATIKSHA BABAN	14
6	Ku	DESHBHRATAR PARMITA SIDDHARTH	8
7	Ku	DOKWAL SHREYA NARENDRA	12
8		GUMGAONKAR PRATHMESH DINESH	AA
9	Ku	JADHAV AKSHATA SUNIL	20
10	Ku	JIBHAKATE VAIDEHI SUNIL	17
11	Ku	KHIANI VISHAKA MANGHANLAL	AA
12		KOCHE PRIYANSH BABURAO	13


13	Ku	KIRPAN AKANKSHA KUMESHWAR	13
14	Ku	LANJEWAR SAKSHI MOTIRAM	20
15	Ku	MAKODE HARSHU CHANDU	17
16	Ku	PATIL RUDHALI RAMESH	20
17		RANGARI HARSHAL BHOJRAJ	14
18	Ku	RAO KIRAN SHANTA	8
19	Ku	SAMARTH SHRUTI SUNIL	12
20		SANGITRAO VIPUL DEEPAK	AA
21		SONTAKKE NUPUL MAHENDRA	20
22	Ku	TAKALKHEDE DISHA SUNIL	17
23	Ku	TAMBUSKAR RUSHIKESH SATISHRAO	AA
24	Ku	THAKRE KRUTIKA NIRAJ	13
25	Ku	UPRADE SAUMYA FULSINGH	10
26		WAKDE SANCHIT CHANDRASHEKHAR	15

Batch G 1 – CGM

Sr.No.		Name of the Students	Marks out of 20
1		ATTRI PRIYANSHU GYANENDRA SINGH	12
2		BANSPAL MAYUR RAGHVENDRA	15
3	Ku	BORKAR SANIYA KAILASH	20
4	Ku	CHIDE ARPITA SANDIP	14
5		DHUNDALE ARYAN RAJENDRA	8
6	Ku	DUBEY SAKSHI VIJAYKANT	12
7		JOSHI RUGVED DINESH	AA
8		KHOT ANSHUL LAXMAN	20
9	Ku	KHOTELE SWATI PURUSHOTTAM	17
10		MEHAR HARSHAL ASHOK	AA
11	Ku	MESHARAM MRUNALI ROSHAN	13
12		SELOKAR ADITYA RAJESH	13


Name of Teacher




HEAD
Department of Mathematics
Science College, Congress Nagar,
NAGPUR,
Head of Department

Shri Shivaji Education Society Amravati's
Science College Congress Nagar Nagpur
Bachelor of Science (B. Sc.) (Semester-VI) Examination
MATHEMATICS
Paper-II Unit Test I

Time: [OneHours]

[Maximum Marks: 20]

N.B. :- Solve all questions, All questions carry equal marks.

1.(A) Derive :

(i) The First Fundamental form

$$ds^2 = E du^2 + 2 F dudv + G dv^2,$$

where $E = \bar{r}_1^2$, $F = \bar{r}_1 \cdot \bar{r}_2$, $G = \bar{r}_2^2$ and

(ii) The Second Fundamental form

$$L du^2 + 2 M dudv + N dv^2,$$

where $L = \bar{N} \cdot \bar{r}_{11}$, $M = \bar{N} \cdot \bar{r}_{12}$, $N = \bar{N} \cdot \bar{r}_{22}$.

(B) Show that the parameters on a surface can always be chosen so that the curves of the given family and the orthogonal trajectories become parametric curves.

(C) Obtain Gauss's formula for $\bar{r}_{11}, \bar{r}_{12}, \bar{r}_{22}$, where \bar{r} is the position vector of any point of a surface and suffixes 1 and 2 denotes differentiation with respect to u and v respectively.

(D) If k and k_n denote the curvature of oblique and normal sections through the same tangent line and θ be the angle between the sections, then prove that

$$k_n = K \cos \theta.$$



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SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Mathematics

B. Sc. III Semester-VI (2023-24)

Result on unit test held on 08/01/2024

Subject : Mathematics Paper II

Name of the teacher :- Prof. Kalpana Pawar

Batch M 1 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AGARKAR PRANJAL VIJAY	12
2	Ku	BAGDE SHRADDHA BABAN	16
3	Ku	BALODIYA RITIKA VISHNU	19
4		BHAGAT KRUNAL GAJANAN	20
5	Ku	BHAGAT SANJIVANI SAGAR	12
6	Ku	BILKAR AMISHA SITARAM	16
7		CHAUDHARY MUNESH RAVINDRASINGH	15
8	Ku	DAF PRADNYA CHANDRAKANTJI	14
9	Ku	DHABEKAR SWATI FATTU	AA
10	Ku	JAUNJAL GARGI DILIP	11
11	Ku	KANOJE KHUSHI SANJAY	12
12	Ku	KARKI SRUSHTI SUBHASH	20
13	Ku	KAWALE GAYTRI VINOD	13
14	Ku	KAYARKAR JANHVI DHIRENDRA	20
15	Ku	KENE JANVI SUBHASHRAO	15
16	Ku	LAKDE SHREYASH MAHADEO	16
17		LAKHE PRANAV BHUPESH	12
18	Ku	MARBATE SANSKRUTI RAJENDRA	11
Batch M 2 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	MASRAM NIKITA SITARAM	12
2	Ku	MEENA RUCHI MAHENDRA KUMAR	13
3	Ku	MESHARAM NIKHITA RAVIKANT	AA
4		MOTWANI VARUN DOLAT	10
5	Ku	MOUNDEKAR VINKU MANIK	12
6		NARWADE SARTHAK ARUNRAO	13
7		PAROCHE PALAK SATISH	15
8	Ku	PATLE SONALI SURESH	16
9		PAUNIKAR YASHWANT RAJU	14
10	Ku	PIMPLE MANYA GANESH	13
11	Ku	PITALEY SHRIVATSA PRASHANT	11
12	Ku	POPERE GARGI VINAYAK	AA
13	Ku	RAUT DISHA VIJAY	10
14	Ku	SANGOLE AKANSHA SUBHASH	10
15	Ku	SHENDE CHAITRALI GANESHRAO	12
16		SHRIVAS PRATHAM SANJIV	13

17		WASE RUSHIKESH SHUBHAKAR	20
18	Ku	YADAV JAYSHREE PRAKASH	12
19	Ku	YADAV SAPNA JAIRISHNA	20
Batch M 3,4 - PEM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	BALAPURE PARI GAJANAN	13
2		BANSOD NIKHIL MILIND	15
3		BHIWGADE SHRINAY YOGESH	16
4	Ku	DHADSE VAISHNAVI VIJAY	14
5	Ku	DHAKATE SAKSHI PRAMOD	13
6	Ku	JADHAV AASTHA SANJU	13
7	Ku	JOSHI ARTI SUBHASH	15
8	Ku	KHAPRE MUSKAN PRAKASH	16
9	Ku	LODHIKAR ANJALI NANESHWAR	14
10		MESHARAM NISHANT DUSHYANT	13
11	Ku	MESHARAM ROSHNI SHRIHARI	11
12	Ku	MISAR KHUSHI MANOJ	AA
13	Ku	MISHRA MAHEK PRAMOD	10
14		PATEL LOKESH SHRINIWAS	10
15	Ku	PATHAK MUSKAN VINAY	20
16		SATHAWANE SHUBHAM RAJENDRA	13
17	Ku	SHARMA SNEHA RANJAY KUMAR	13
18		SIRSAT VIKRANT DEVENDRA	15
19	Ku	SONPIMPALE YASH ARVIND	16
20		WAGH SARANG VILASRAO	11
21	Ku	ZADE GAURI MUKESH	10
Batch M 6 - PCSM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AGLAWA KHUSHI RAHUL	11
2	Ku	ARORA OSHEEN DARSHAN	AA
3	Ku	BAWANGADE NIDHI SHAILESH	10
4	Ku	BHAKTE MOHIT PRABHAKAR	10
5	Ku	BHURE NISHANT DEEPAK	20
6	Ku	BHURE SAURABH RAMESH	11
7	Ku	BHUTE MOHINI BHASKARRAO	AA
8	Ku	CHANDORKAR KRUTIKA SUBODH	10
9	Ku	CHAPLE SAURAV UTTAM	10
10	Ku	CHARPE SHWETA SUNIL	20
11	Ku	CHAUDHARI ISHA DIPAKKUMAR	13
12	Ku	CHAUDHURY ROMIT RAJAT	13
13	Ku	CHAUHAN JYOTI DHANRAJ	15
14		DAILKAR JAY SHRIHARI	16
15	Ku	DABARE VAISHNAVI DINESH	11
16	Ku	DANGE MANASVI DILIP	11
17	Ku	DOBLE VEDANTI PRAMOD	AA
18	Ku	DOIFODE GOURI ASHOK	10

19	Ku	GAJBHIYE DIVYASHRI SURENDRA	10
20	Ku	IYAR AGILESH JAYARAMAN	20
21	Ku	JAIPURKAR DEVENDRA GAJANAN	13
22	Ku	JATGADE GEETANJALI PRAKASH	13
23	Ku	KADU SANSKRUTI SANJAYRAO	15
24	Ku	KADU TANUSHKA ANAND	16
25		KARANJEKAR TANMAY KOMAL	11
26	Ku	KAROTIYA STUTI GIRISH	10

Batch M 7 - PCSM

Sr. No.	Name of the Students		Marks out of 20
1	Ku	KHEDKAR MRUNAL RAJESH	7
2	Ku	KOHAD RIDDHI CHANDRASHEKHAR	11
3		KUMARE GAURAV SHEKHAR	AA
4	Ku	KHAMBALKAR NIDHI VISHNUJI	10
5	Ku	LANGDE ANJALI DILIP	10
6		MAHAJAN ROHAN VITTHAL	20
7		MOURYA BHUSHAN PRAKASH	13
8	Ku	NAGAPURE KALYANI MOTILAL	13
9		NAGRALE TANMAY PRAMOD	15
10	Ku	NAIDU SWETA SANDEEP	16
11	Ku	NANDAGAWALI SUJAN AJAY	11
12		PANDEY RAGHAV MOHAN	10
13	Ku	PASI NANDINI ANILSINGH	20
14	Ku	PATHAK MADHURA MILIND	15
15		PIMPALKAR SWETH ARJUN	16
16	Ku	PORCHATTIWAR PRANALI SHAILENDRA	14
17	Ku	RADKE SAMIKSHA NAJUKRAM	13
18	Ku	RAJABHOJ AMISHA ASHISH	17
19	Ku	RAUT SAKSHI MANGESH	14
20	Ku	RAUT TANVI HIRENDRA	12
21		RAVIKUMAR RANJAN SUDARSHAN PRASAD	10
22		SHENDE JAY MADHUKAR	12
23	Ku	SHINDE TANUJA KISHOR	11
24	Ku	SIDDIQUE AAYESHA ASHFAQUE	10
25		WASNIK DIKSHANT PRASHANT	8

Batch M 8 - SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	PRIYA KUMARI DEONATH PRASAD	10
2	Ku	ADHAU AVANTI VIJAY	12
3		BAGADE PRANAV RAMBHAU	13
4	Ku	BAWANGADE KASHISH MUNESHWAR	11
5	Ku	BHAGAT SHRUTI RAJENDRA	10
6		DARVEKAR DARSHAN VIJAY	15
7	Ku	DIWAKAR JANHAVI PANKAJ	16
8		DORLE OM PRASANNA	14
9	Ku	GAIKWAD SHRUTI SACHIN	12

10	Ku	GHATOLE SANJANA MILIND	11
11	Ku	GOTMARE DHRUVIKA OMPRAKASH	8
12		HALDAR JAYANT JAGDISH	10
13		HEDA OO VIDHAN RAJESH	9
14	Ku	IYER AKSHAYA RAMESH	10
15	Ku	JAI SWAL ANJALI PRAKASH	13
16	Ku	KABULE SHUBHADA VIKAS	14
17	Ku	KADU ARYA GAJANAN	17
18	Ku	KADU ASTHA GAJANAN	12
19		KADWE BHAVESH RAMESHWAR	13

Batch M 9 - SCSM

Sr.No.		Name of the Students	Marks out of 20
1	Ku	KHARWAR PRIYANKA MURARIPRASAD	12
2	Ku	MONDHE TRUPTI ASHOK	12
3	Ku	MOURYA GUNJAN VIKAS	15
4	Ku	NAIK ISHIKA SUNIL	16
5	Ku	NANDANWAR MANSI DHONDU	14
6		NANOTY ABHISHEK SHRIKANT	12
7		NIMJE ROHAN KAILASH	14
8		RAMTEKE HIMANSHU DILIP	15
9	Ku	RAUT DIVYANKA MANOJ	18
10	Ku	SAKHARE SUDHANSHU RAVINDRA	19
11	Ku	SANDEL SHRADDHA SUNIL	20
12	Ku	SANT EKTA DWARKA DAS	14
13	Ku	SHRIVASTAVA ISHITA SANTOSH	12
14	Ku	SINGH RIYA RAJESHKUMAR	10
15	Ku	SUR ANCHAL NINAD	14
16	Ku	SURUSE SEJAL VIVEKRAO	11
17		TIWARI RAJAT BRIJLALA	14
18	Ku	VARADE HARSHITA SANDEEP	14
19		VIRKHARE PARTH SANJAY	14

Batch M 10 - ECSM

Sr.No.		Name of the Students	Marks out of 20
1	Ku	AMBEKAR NIHARIKA MAHESH	14
2	Ku	BARAI YOGESHREE DINESH	20
3	Ku	BARAMATE KHUSHI SHASHIKANT	14
4		BARAPATRE ANIKET PURUSHOTTAM	14
5	Ku	DANGE PRATIKSHA BABAN	12
6	Ku	DESHBHRATAR PARMITA SIDDHARTH	5
7	Ku	DOKWAL SHREYA NARENDRA	18
8		GUMGAONKAR PRATHMESH DINESH	9
9	Ku	JADHAV AKSHATA SUNIL	10
10	Ku	JIBHAKATE VAIDEHI SUNIL	12
11	Ku	KHIANI VISHAKA MANGHANLAL	AA
12		KOCHE PRIYANSH BABURAO	12
13	Ku	KIRPAN AKANKSHA KUMESHWAR	12

14	Ku	LANJEWAR SAKSHI MOTIRAM	15
15	Ku	MAKODE HARSHU CHANDU	16
16	Ku	PATIL RUDHALI RAMESH	10
17		RANGARI HARSHAL BHOJRAJ	9
18	Ku	RAO KIRAN SHANTA	15
19	Ku	SAMARTH SHRUTI SUNIL	12
20		SANGITRAO VIPUL DEEPAK	8
21		SONTAKKE NUPUL MAHENDRA	14
22	Ku	TAKALKHEDE DISHA SUNIL	16
23	Ku	TAMBUSKAR RUSHIKESH SATISHRAO	14
24	Ku	THAKRE KRUTIKA NIRAJ	12
25	Ku	UPRADE SAUMYA FULSINGH	13
26		WAKDE SANCHIT CHANDRASHEKHAR	14
Batch G 1 – CGM			
Sr.No.	Name of the Students		Marks out of 20
1		ATTRI PRIYANSHU GYANENDRA SINGH	20
2		BANSPAL MAYUR RAGHVENDRA	16
3	Ku	BORKAR SANIYA KAILASH	10
4	Ku	CHIDE ARPITA SANDIP	9
5		DHUNDALE ARYAN RAJENDRA	15
6	Ku	DUBEY SAKSHI VIJAYKANT	12
7		JOSHI RUGVED DINESH	8
8		KHOT ANSHUL LAXMAN	14
9	Ku	KHOTELE SWATI PURUSHOTTAM	16
10		MEHAR HARSHAL ASHOK	14
11	Ku	MESHARAM MRUNALI ROSHAN	AA
12		SELOKAR ADITYA RAJESH	11

Kanwar

Name of Teacher



Kanwar

Head of Department

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Department of Mathematics
Science College, Congress Nagar
NAGPUR.

Shri Shivaji Education Society Amravati's
Science College Congress Nagar Nagpur
Bachelor of Science (B. Sc.) (Semester-VI) Examination
MATHEMATICS
Paper-II Unit Test II

Time: [OneHours]

[Maximum Marks: 20]

N.B. :- Solve all questions, All questions carry equal marks.

- 1.(A) When a geodesic makes an angle θ with the curve $v = \text{constant}$ of a geodesic coordinate system for which

$$ds^2 = du^2 + G dv^2, \text{ then prove that}$$

$$\frac{d\theta}{ds} + \frac{\partial}{\partial u} (\sqrt{G}) v' = 0.$$

- (B) Prove that in the geodesic polar form, the Gaussian curvature is given by $k = \frac{-g_{11}}{g}$, where $g = \sqrt{G}$ of the surface.

OR

- (C) Prove that two geodesics at right angles have their torsions equal in magnitude but opposite in sign.
- (D) Obtain the geodesic curvature vector of a curve on a right helicoid $\vec{r} = (u \cos v, u \sin v, av)$ by using different formulae for it.



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Mathematics

B. Sc. III Semester-VI (2023-24)

Result on unit test held on 08/03/2024

Subject : Mathematics Paper II

Name of the teacher :- Prof. Kalpana Pawar

Batch M 1 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AGARKAR PRANJAL VIJAY	12
2	Ku	BAGDE SHRADDHA BABAN	AA
3	Ku	BALODIYA RITIKA VISHNU	20
4		BHAGAT KRUNAL GAJANAN	17
5	Ku	BHAGAT SANJIVANI SAGAR	AA
6	Ku	BILKAR AMISHA SITARAM	13
7		CHAUDHARY MUNESH RAVINDRASINGH	13
8	Ku	DAF PRADNYA CHANDRAKANTJI	20
9	Ku	DHABEKAR SWATI FATTU	17
10	Ku	JAUNJAL GARGI DILIP	AA
11	Ku	KANOJE KHUSHI SANJAY	15
12	Ku	KARKI SRUSHTI SUBHASH	14
13	Ku	KAWALE GAYTRI VINOD	12
14	Ku	KAYARKAR JANHVI DHIRENDRA	10
15	Ku	KENE JANVI SUBHASHRAO	15
16	Ku	LAKDE SHREYASH MAHADEO	20
17		LAKHE PRANAV BHUPESH	20
18	Ku	MARBATE SANSKRUTI RAJENDRA	14
Batch M 2 - PCM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	MASRAM NIKITA SITARAM	11
2	Ku	MEENA RUCHI MAHENDRA KUMAR	10
3	Ku	MESHARAM NIKHITA RAVIKANT	12
4		MOTWANI VARUN DOLAT	15
5	Ku	MOUNDEKAR VINKU MANIK	14
6		NARWADE SARTHAK ARUNRAO	8
7		PAROCHE PALAK SATISH	12
8	Ku	PATLE SONALI SURESH	16
9		PAUNIKAR YASHWANT RAJU	14
10	Ku	PIMPLE MANYA GANESH	12
11	Ku	PITALEY SHRIVATSA PRASHANT	10
12	Ku	POPERE GARGI VINAYAK	15
13	Ku	RAUT DISHA VIJAY	20
14	Ku	SANGOLE AKANSHA SUBHASH	14
15	Ku	SHENDE CHAITRALI GANESHRAO	AA
16		SHRIVAS PRATHAM SANJIV	10

17		WASE RUSHIKESH SHUBHAKAR	10
18	Ku	YADAV JAYSHREE PRAKASH	15
19	Ku	YADAV SAPNA JAIRISHNA	15
Batch M 3,4 - PEM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	BALAPURE PARI GAJANAN	12
2		BANSOD NIKHIL MILIND	12
3		BHIWGADE SHRINAY YOGESH	16
4	Ku	DHADSE VAISHNAVI VIJAY	16
5	Ku	DHAKATE SAKSHI PRAMOD	20
6	Ku	JADHAV AASTHA SANJU	18
7	Ku	JOSHI ARTI SUBHASH	17
8	Ku	KHAPRE MUSKAN PRAKASH	11
9	Ku	LODHIKAR ANJALI NANESHWAR	AA
10		MESHARAM NISHANT DUSHYANT	12
11	Ku	MESHARAM ROSHNI SHRIHARI	16
12	Ku	MISAR KHUSHI MANOJ	15
13	Ku	MISHRA MAHEK PRAMOD	19
14		PATEL LOKESH SHRINIWAS	AA
15	Ku	PATHAK MUSKAN VINAY	12
16		SATHAWANE SHUBHAM RAJENDRA	13
17	Ku	SHARMA SNEHA RANJAY KUMAR	16
18		SIRSAT VIKRANT DEVENDRA	14
19	Ku	SONPIMPALE YASH ARVIND	10
20		WAGH SARANG VILASRAO	10
21	Ku	ZADE GAURI MUKESH	15
Batch M 6 - PCSM			
Sr.No.	Name of the Students		Marks out of 20
1	Ku	AGLAWA KHUSHI RAHUL	20
2	Ku	ARORA OSHEEN DARSHAN	12
3	Ku	BAWANGADE NIDHI SHAILESH	13
4	Ku	BHAKTE MOHIT PRABHAKAR	AA
5	Ku	BHURE NISHANT DEEPAK	12
6	Ku	BHURE SAURABH RAMESH	13
7	Ku	BHUTE MOHINI BHASKARRAO	20
8	Ku	CHANDORKAR KRUTIKA SUBODH	20
9	Ku	CHAPLE SAURAV UTTAM	14
10	Ku	CHARPE SHWETA SUNIL	18
11	Ku	CHAUDHARI ISHA DIPAKKUMAR	9
12	Ku	CHAUDHURY ROMIT RAJAT	14
13	Ku	CHAUHAN JYOTI DHANRAJ	16
14		DAILKAR JAY SHRIHARI	12
15	Ku	DABARE VAISHNAVI DINESH	11
16	Ku	DANGE MANASVI DILIP	AA
17	Ku	DOBLE VEDANTI PRAMOD	10
18	Ku	DOIFODE GOURI ASHOK	12

19	Ku	GAJBHIYE DIVYASHRI SURENDRA	13
20	Ku	IYAR AGILESH JAYARAMAN	16
21	Ku	JAIPURKAR DEVENDRA GAJANAN	10
22	Ku	JATGADE GEETANJALI PRAKASH	8
23	Ku	KADU SANSKRUTI SANJAYRAO	9
24	Ku	KADU TANUSHKA ANAND	14
25		KARANJEKAR TANMAY KOMAL	12
26	Ku	KAROTIYA STUTI GIRISH	11

Batch M 7 - PCSM

Sr. No.	Name of the Students		Marks out of 20
1	Ku	KHEDKAR MRUNAL RAJESH	10
2	Ku	KOHAD RIDDHI CHANDRASHEKHAR	12
3		KUMARE GAURAV SHEKHAR	13
4	Ku	KHAMBALKAR NIDHI VISHNUJI	AA
5	Ku	LANGDE ANJALI DILIP	10
6		MAHAJAN ROHAN VITTHAL	11
7		MOURYA BHUSHAN PRAKASH	10
8	Ku	NAGAPURE KALYANI MOTILAL	12
9		NAGRALE TANMAY PRAMOD	13
10	Ku	NAIDU SWETA SANDEEP	AA
11	Ku	NANDAGAWALI SUJAN AJAY	10
12		PANDEY RAGHAV MOHAN	15
13	Ku	PASI NANDINI ANILSINGH	16
14	Ku	PATHAK MADHURA MILIND	17
15		PIMPALKAR SWETH ARJUN	11
16	Ku	PORCHATTIWAR PRANALI SHAIENDRA	10
17	Ku	RADKE SAMIKSHA NAJUKRAM	12
18	Ku	RAJABHOJ AMISHA ASHISH	18
19	Ku	RAUT SAKSHI MANGESH	19
20	Ku	RAUT TANVI HIRENDRA	20
21		RAVIKUMAR RANJAN SUDARSHAN PRASAD	14
22		SHENDE JAY MADHUKAR	9
23	Ku	SHINDE TANUJA KISHOR	12
24	Ku	SIDDIQUE AAYESHA ASHFAQUE	13
25		WASNIK DIKSHANT PRASHANT	10

Batch M 8 - SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	PRIYA KUMARI DEONATH PRASAD	10
2	Ku	ADHAU AVANTI VIJAY	12
3		BAGADE PRANAV RAMBHAU	13
4	Ku	BAWANGADE KASHISH MUNESHWAR	AA
5	Ku	BHAGAT SHRUTI RAJENDRA	10
6		DARVEKAR DARSHAN VIJAY	12
7	Ku	DIWAKAR JANHAVI PANKAJ	13
8		DORLE OM PRASANNA	15
9	Ku	GAIKWAD SHRUTI SACHIN	16

10	Ku	GHATOLE SANJANA MILIND	14
11	Ku	GOTMARE DHRUVIKA OMPRAKASH	13
12		HALDAR JAYANT JAGDISH	11
13		HEDA OO VIDHAN RAJESH	AA
14	Ku	IYER AKSHAYA RAMESH	10
15	Ku	JAI SWAL ANJALI PRAKASH	10
16	Ku	KABULE SHUBHADA VIKAS	12
17	Ku	KADU ARYA GAJANAN	13
18	Ku	KADU ASTHA GAJANAN	10
19		KADWE BHAVESH RAMESHWAR	14

Batch M 9 - SCSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	KHARWAR PRIYANKA MURARIPRASAD	10
2	Ku	MONDHE TRUPTI ASHOK	12
3	Ku	MOURYA GUNJAN VIKAS	10
4	Ku	NAIK ISHIKA SUNIL	AA
5	Ku	NANDANWAR MANSI DHONDU	13
6		NANOTY ABHISHEK SHRIKANT	15
7		NIMJE ROHAN KAILASH	16
8		RAMTEKE HIMANSHU DILIP	19
9	Ku	RAUT DIVYANKA MANOJ	20
10	Ku	SAKHARE SUDHANSHU RAVINDRA	11
11	Ku	SANDEL SHRADDHA SUNIL	11
12	Ku	SANT EKTA DWARKA DAS	AA
13	Ku	SHRIVASTAVA ISHITA SANTOSH	10
14	Ku	SINGH RIYA RAJESHKUMAR	10
15	Ku	SUR ANCHAL NINAD	9
16	Ku	SURUSE SEJAL VIVEKRAO	12
17		TIWARI RAJAT BRIJLALA	15
18	Ku	VARADE HARSHITA SANDEEP	16
19		VIRKHARE PARTH SANJAY	AA

Batch M 10 - ECSM

Sr.No.	Name of the Students		Marks out of 20
1	Ku	AMBEKAR NIHARIKA MAHESH	10
2	Ku	BARAI YOGESHREE DINESH	12
3	Ku	BARAMATE KHUSHI SHASHIKANT	13
4		BARAPATRE ANIKET PURUSHOTTAM	10
5	Ku	DANGE PRATIKSHA BABAN	15
6	Ku	DESHBHRATAR PARMITA SIDDHARTH	18
7	Ku	DOKWAL SHREYA NARENDRA	AA
8		GUMGAONKAR PRATHMESH DINESH	10
9	Ku	JADHAV AKSHATA SUNIL	10
10	Ku	JIBHAKATE VAIDEHI SUNIL	14
11	Ku	KHIANI VISHAKA MANGHANLAL	12
12		KOCHE PRIYANSH BABURAO	15
13	Ku	KIRPAN AKANKSHA KUMESHWAR	8

14	Ku	LANJEWAR SAKSHI MOTIRAM	20
15	Ku	MAKODE HARSHU CHANDU	13
16	Ku	PATIL RUDHALI RAMESH	16
17		RANGARI HARSHAL BHOJRAJ	9
18	Ku	RAO KIRAN SHANTA	18
19	Ku	SAMARTH SHRUTI SUNIL	20
20		SANGITRAO VIPUL DEEPAK	AA
21		SONTAKKE NUPUL MAHENDRA	14
22	Ku	TAKALKHEDE DISHA SUNIL	16
23	Ku	TAMBUSKAR RUSHIKESH SATISHRAO	11
24	Ku	THAKRE KRUTIKA NIRAJ	10
25	Ku	UPRADE SAUMYA FULSINGH	13
26		WAKDE SANCHIT CHANDRASHEKHAR	16
Batch G 1 - CGM			
Sr.No.	Name of the Students		Marks out of 20
1		ATTRI PRIYANSHU GYANENDRA SINGH	12
2		BANSPAL MAYUR RAGHVENDRA	12
3	Ku	BORKAR SANIYA KAILASH	16
4	Ku	CHIDE ARPITA SANDIP	19
5		DHUNDALE ARYAN RAJENDRA	20
6	Ku	DUBEY SAKSHI VIJAYKANT	12
7		JOSHI RUGVED DINESH	16
8		KHOT ANSHUL LAXMAN	15
9	Ku	KHOTELE SWATI PURUSHOTTAM	14
10		MEHAR HARSHAL ASHOK	AA
11	Ku	MESHARAM MRUNALI ROSHAN	11
12		SELOKAR ADITYA RAJESH	12



Name of Teacher





Head of Department

HEAD
Department of Mathematics
Science College, Congress Nagar
NAGPUR.



RASHTRASAT TUKADOJI MAHARAJ NAGPUR UNIVERSITY,
NAGPUR

Internal Marks Sheet

Exam Name : SECOND SEMESTER BACHELOR OF SCIENCE (B.SC.)

Subject Name : MATHEMATICS (PAPER I)

College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE

Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
1	319661		AATMA VITHOBA GAJBHIYE	14
2	319665		ADITI MAHESH SANGWAR	15
3	319668		ADITI VINOD TARAR	14
4	319672		AKSHATA KISAN NAGPURKAR	14
5	319674		ANCHAL KEDARNATH PANDEY	14
6	319675		ANCHAL RAMSUSHIL TIWARI	14
7	319676		ANISHA ASHISH TIWARI	14
8	319677		ANJALI CHANDRAMANI MISHRA	14
9	319678		ANJALI MAROTI NEWARE	14
10	319679		ANJALI RAJESH YADAV	15
11	319682		ANTARA SHAILESH SAKHARE	14
12	319683		ANUSHKA MANISH AIDBAN	15
13	319684		ANUSHKA PRAMOD NARNAWARE	14
14	319695		AYASHA RAJU MURADE	14
15	319698		BHAGYASHRI CHANDRASHEKHAR KUMRE	14
16	319699		BHAGYASHRI NARENDRA SURKAR	14
17	319700		BHAGYASHRI PRASHANT BARSAGADE	14
18	319702		BHAVNA DASHARAM DEHARIYA	14
19	319705		BHUMIKA RAVINDRA THAWRE	14
20	319711		DARSHANA HIRALAL KUHKE	14
21	319713		DEEPA RAJKUMAR GANGBOIR	14
22	319715		DEVYANI SATISH SHIVANKAR	14
23	319716		DHARINI SHYAM KARANDE	14
24	319717		DISHA INDAL BHELWA	14
25	319718		DIVYA VINOD WATKAR	14
26	319719		DIVYANI GAJENDRA DAWARE	14
27	319720		DRUTI WAMAN GAVHADE	14
28	319723		FIRDOSH SHARIF KAZI	14
29	319726		GAURI DILIP BHAJARE	14
30	319732		HARSHADA BANDU BADANE	14
31	319733		HARSHINEET KOUR JASPAL SINGH VIRDI	14
32	319734		HIMANI DHARMENDRA MASKE	14

[Signature]

HEAD

Department of Mathematics
Science College, C.T. Nagar,
NAGPUR.

Internal Marks Sheet

Exam Name : SECOND SEMESTER BACHELOR OF SCIENCE (B.SC.)
Subject Name : MATHEMATICS (PAPER I)
College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE
Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
33	319739		JAGRUTI PRAHLAD BAIRAGI	14
34	319741		JANHAVI PRAFUL JAKKANWAR	14
35	319743		JANHAVI VASANTA WADHIVE	14
36	319747		JIYA ISHWAR SUKHADEVE	14
37	319749		KALYANI GAJANAN SATARE	14
38	319755		KASHISH RAMVEER CHAUHAN	14
39	319756		KASHISH SHANKAR MANKAR	14
40	319757		KASTURI ASHISH GUTIE	14
41	319759		KAZANLI PRADIP BAGDE	14
42	319763		KHUSHI DINESH BHAGAT	14
43	319765		KHUSHI SHARDASINGH RAJPUT	14
44	319766		KRUNALI SURESH KHARAT	14
45	319768		LAVANYA DATTU PADOLE	14
46	319773		MADHURI DURYODHAN BAWANKAR	14
47	319777		MANASVI MANOJ DESHBHIRATAR	14
48	319779		MANIKA DILIPSINGH PARIHAR	14
49	319784		MANSI NIKESH KHANDARE	14
50	319788		MAYURI DEVENDRA DAHAKE	14
51	319789		MEGHA MUNNAJI NAGALWADE	14
52	319790		MEGHNA KISHOR GAIDHANE	14
53	319791		MOHINI DEORAO MATHANIKAR	14
54	319794		MONA VIJAY ZATALE	15
55	319795		MRUNAL SUNIL WANKHEDE	14
56	319798		NAMRATA NARESH RAUT	14
57	319802		NANDINI VIJAY KOHALE	14
58	319805		NEHARIKA RAJU LAKHOTE	14
59	319809		PAYAL DHARMPAL BAGLE	14
60	319810		PAYAL RAJESH GUPTA	15
61	319812		PORNIMA JAYLAL SAHU	14
62	319813		PRACHI BABURAO BANAIT	14
63	319814		PRACHI GAGAN NANDANWAR	14
64	319816		PRADNYA SURESH RAUT	14
65	319818		PRAJAKTA SANDESH RAMTEKE	14

[Signature]
HEAD

Department of Mathematics
Science College, Congress Nagar,
NAGPUR.

**RASHTRASAT TUKADOJI MAHARAJ NAGPUR UNIVERSITY,
NAGPUR****Internal Marks Sheet**

Exam Name : SECOND SEMESTER BACHELOR OF SCIENCE (B.SC.)
Subject Name : MATHEMATICS (PAPER I)
College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE
Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
66	319819		PRANALI DEVIDAS PILLARE	14
67	319821		PRATIKSHA RAJESH RAMTEKE	14
68	319822		PRIYA KUMARI SANTOSH SINGH	14
69	319824		PRIYANKA RUSHI KULSANGE	14
70	319825		PUNAM SUNIL GAIDHANE	14
71	319829		RAJESHWARI ABANKANT PRADHAN	14
72	319834		RASHIKA RISHIKI SHI KOLARKAR	14
73	319835		RASIKA SACHIN RAUT	14
74	319836		REETIKA RAVINDRA UIKEY	14
75	319838		RIDDHI BHAIYALAL RAJPUT	14
76	319842		ROZINA ZAKIR HUSSAIN SHEIKH	14
77	319843		RUDRAYANI SANJAY HARGUDE	15
78	319847		SAKSHI AKHIL SHI PAL	15
79	319851		SAMIKSHA RAVI MANWATKAR	14
80	319852		SAMIKSHA SOPAN BHARAMBE	14
81	319856		SANIKA GAJANAN VARPATKAR	14
82	319865		SAYONI UMESH KHANDARE	14
83	319869		SELINA ARJUN SHUNDE	14
84	319874		SHEELA SUDARSHAN VISHWAKARMA	14
85	319875		SHITAL BHAGWAN RANGARI	14
86	319876		SHIVANI NAGENDRA MISHRA	14
87	319883		SHREYA PRADIP RAUT	14
88	319884		SHREYA UMESH SURPAM	14
89	319889		SHRUTI GEJRAJ MEHAR	14
90	319890		SHRUTI PRASANJIT MESHAM	14
91	319892		SHRUTI WAMAN BANKAR	14
92	319893		SHRUTI YOGESH KHOBRADE	14
93	319900		SONU MAHESH MISHRA	14
94	319902		SRUSHTI JAGDISH VAIDYA	14
95	319906		TANIYA MAHENDRA UKEY	14
96	319909		TANUSHKA MANOJ BHAGAT	14
97	319910		TANUSHREE DEVANAND YELNE	14
98	319916		TRUPTI ARUN HAIWAR	

Shankar
HEAD

Department of Mathematics
Science College, Congress Nagar
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RASHTRASAT TUKADOJI MAHARAJ NAGPUR UNIVERSITY,
NAGPUR

Internal Marks Sheet

Exam Name : SECOND SEMESTER BACHELOR OF SCIENCE (B.S.C.)
Subject Name : MATHEMATICS (PAPER 1)
College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE
Session : SUMMER - 2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
99	319917		TRUPTI SACHIN HUMANE	14
100	319918		TULSI KEWAL RAM CHOUDHARI	14
101	319919		TWINKLE BHASKAR MADAVI	14
102	319930		VIDYA OMKAR MANMODE	14
103	319933		YOGITA MURLIDHAR SAHARE	14
104	319934		YUKTA DILIPRAO MANGAM	14
105	319936		ABHAY SINGHI	15
106	319937		ADARSH HIMMAT MANDWE	14
107	319939		ADITYA SUBHASH SONEKAR	14
108	319940		AJAY BHAGWANDAS AHIRWAR	14
109	319941		AKASH ANJIRAM PAWAR	14
110	319942		AKSHAD SHASHIKANT CHAVAN	14
111	319943		AKSHAY BABA WADEKAR	14
112	319945		ANIMESH PAWAN KHAIRKAR	14
113	319946		ANJESH MUKESH KALARE	14
114	319948		ANUGRAH ANIL SHARMA	14
115	319949		ARYAMAN MANOJ SHRIVASTAV	14
116	319951		AYUSH DELPAK BANDHATE	14
117	319952		AYUSH HANS DAS BARSAGADE	14
118	319954		BHAVESH KRISHNAJI GHODMARE	14
119	319959		GAURAV ASHOKRAO UIKTY	14
120	319960		GAURAV DIVYAN KAKDE	14
121	319962		HIMANSHU ARUN RANE	14
122	319963		HIMANSHU DINESH WANDHE	14
123	319964		HIMANSHU GHANSHYAM DAMAHE	14
124	319965		HRUSHANG RAVINDRA NIMJE	14
125	319966		HUZAIFUDDIN SOHEBUDDIN QAZI	14
126	319967		JATIN PURUSHOTTAM KARDE	14
127	319968		KARTIK GANESH DIGHORE	14
128	319970		KAUSHAL SITARAM BILKAR	14
129	319971		KHUSHAL GAJANAN DARVEKAR	14
130	319972		KRANTISURYA DHAMMAPAL WARKE	14
131	319976		NIKHIL BAHU RAO KUMRE	14

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HEAD
Signature of Examiner
Department of Mathematics
Science College, Congress Nagar,
NAGPUR

**RASHTRASAT TUKADOJI MAHARAJ NAGPUR UNIVERSITY,
NAGPUR**

Internal Marks Sheet

Exam Name : SECOND SEMESTER BACHELOR OF SCIENCE (B SC.)

Subject Name : MATHEMATICS (PAPER I)

College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE

Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
132	319978		OM VITTHAL SAKHARKAR	15
133	319979		OSCAR AYOUB SISFRANSWAH	14
134	319983		PRADUTI SANJAY AMBEDARE	14
135	319985		PRAJWAL VINOD MANKAR	14
136	319986		PRALHAD BHUMESH RAHANGDALE	15
137	319988		PRANAY RAMSHI KHADSE	14
138	319989		PRASHIK DEWANAND TIRPUDE	14
139	319991		PREET RAVINDRA CHAMALWAR	14
140	319992		PRIYANSHU BALANDAR TIWARI	14
141	319993		RITIK RAVINDRA RAUT	14
142	319994		RITTIK GAURANG SARKAR	14
143	319997		RUDRA ATUL KURHE	14
144	319998		RUTVIK PRABHAKAR KAWRE	14
145	319999		SAHIL JITENDRA MENDHE	14
146	320003		SAMYAK VINOD GAIBHIYE	14
147	320004		SANKET BHASKAR ANKAR	14
148	320005		SANKET RAJENDRA MATHANKAR	14
149	320007		SARVESH SAMIR PUJARI	14
150	320008		SASANT ANUP CHAHANDE	14
151	320011		SHIRISH RAJESH GAWDE	14
152	320013		SIDDHESH NEMAD RAVI	14
153	320014		SOHAM VILIN TAMBDE	14
154	320016		SURAJ GAJANANRAO DANDALE	14
155	320018		TANAY DILIP MASRAM	14
156	320020		TOSHAN NITIN DESHMUKH	14
157	320022		VANSH TARACHAND CHOPDE	AB
158	320024		VIVEK VILAS INDURKAR	14
159	320028		YASH SHARAD HATTEWAR	14
160	320029		YASH SUDHIR SANTOSHWAR	14
161	320031	-	AARADHAN VRAJENDRA BHASMOTE	--
162	320032	-	AARTI OMSHANKAR BAGHELE	--
163	320034	-	AKANSHA ARVIND LOKHANDE	--
164	320041	-	ANUSHKA VINOD KUTE	--

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Department of Mathematics
Science College, Congress Nagar, Nagpur

Internal Marks Sheet

Exam Name : SECOND SEMESTER BACHELOR OF SCIENCE (B.Sc.)
Subject Name : MATHEMATICS (PAPER I)
College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE
Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
165	320042	-	APURVA JAYAN SAHU	--
166	320046	-	ARYA VINGOIRATHI	--
167	320047	-	ASHLESHAYU VRAJ WAGDE	--
168	320048	-	ASHWINI RATIRAM KHARWALE	--
169	320050	-	ASTHA GANGADHAR KARANDE	--
170	320051	-	AVANI PRIMDAS KALE	--
171	320053	-	AYUSHI KRISHNA LICHADE	--
172	320056	-	CHETNA MOHESHWAR KHADSE	--
173	320057	-	CHETNA PRAKASH GIRDE	--
174	320059	-	DEVASHRI L. BHAI RAO DHARMIK	--
175	320060	-	DEYSHRI ANSHOK SAHU	--
176	320074	-	HIMANSHU RAMESH LUTE	--
177	320076	-	ISHA DINESU GONDANE	--
178	320079	-	JANHAVI VIRENDRA DESHMUKH	--
179	320080	-	JANHVI PANDHARI KANHER	--
180	320087	-	KAMAL BODHESH PANDEY	--
181	320089	-	KASHISH GAJENDRA FULZELE	--
182	320091	-	KASHISH NAGENDRA SINGH	--
183	320092	-	KASHISH SUHAS LOKHANDE	--
184	320094	-	KIRANPREET KAUR SARVJEET SINGH	--
185	320096	-	KOMAL KISHAN KOSTKAR	--
186	320097	-	KRITI ANKURAO THAKUR	--
187	320099	-	KUNALI SAHISH BHONDGE	--
188	320100	-	LAVANYA RAMAKANT TALNIKAR	--
189	320102	-	MADHURA SUNIL MASKE	--
190	320103	-	MADHURIMA SHAHUSH GONNADE	--
191	320110	-	NANDINI DEEPAK CHOUDHARI	--
192	320111	-	NANDINI ANMAN WANKAR	--
193	320113	-	NEHA GAJENDRA GAWANDE	--
194	320119	-	PORNIMA PRABHU SAPATE	--
195	320121	-	PRANJAL JEJAN PARATE	--
196	320122	-	PRANJAL ANKALESH DATIR	--
197	320123	-	PRERNA DEVSAMANT PATIL	--

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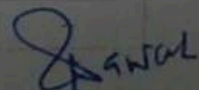
Department of Mathematics
Science College, Congress Nagar,
NAGPUR.

RASHTRASAT TUKADOJI MAHARAJ NAGPUR UNIVERSITY,
NAGPUR

Internal Marks Sheet

Exam Name : SECOND SEMESTER BACHELOR OF SCIENCE (B.Sc.)
Subject Name : MATHEMATICS (PAPER I)
College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE
Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
198	320124	-	PRIYA SANDOSH FULKUWAR	--
199	320125	-	PUNESHA DEEPIKODANE	--
200	320127	-	RAKSHA GANESHAN RAUT	--
201	320130	-	RUPAL RAJESH DUDHANKAR	--
202	320131	-	RUTIKA VINAYAK WASNIK	--
203	320134	-	SAKSHI SANDIP WAGHE	--
204	320135	-	SALONI ARUN NANDANWAR	--
205	320137	-	SANIKA BHASKAR MARWADE	--
206	320138	-	SANIKA RAHUL KASHIKAR	--
207	320139	-	SANJANA ANKUSH DHOKE	--
208	320140	-	SEJAL ASHOK YADAV	--
209	320142	-	SHEJAL DIPAK KAROKAR	--
210	320143	-	SHRAWANI DAIJA DHAWADE	--
211	320145	-	SHREYA TARACHAND BAGDE	--
212	320146	-	SHREYAS VIJAY BOMBARDE	--
213	320148	-	SMITA PURI SIDDHANT GAIKHANE	--
214	320150	-	SNEHAL SANJAY WANKHEDE	--
215	320152	-	SONAM SANDIPSHKUMAR BAGHEL	--
216	320153	NA	SONI SHESHBHOJ CHANODE	--
217	320155	-	TANHVI CHANDRASHEKHAR MOHATURE	--
218	320162	-	VAISHNAVI DHIRAJ DHABRE	--
219	320163	--	VAISHNAVI GAJANAN DOBLE	--
220	320164	-	VAISHNAVI VINOD PAL	--
221	320166	-	VIDYA CHANDRAJAH IRGURWALA	--
222	320170	--	YASHIKA KUNDALIK BARDE	--
223	320173	-	ABHISHAK D HARIBHAU GHUGAL	--
224	320179	-	ARYAN UMASHANKAR NAMDEO	--
225	320183	-	DEVANSHI SANJAY JANGDE	--
226	320184	-	DEVANSHI SANJAY PUNDE	--
227	320185	-	DHIRAJ RAJENDRA HEDAOG	--
228	320189	-	MANDAR CHANDRASHEKHAR SULAKHE	--
229	320190	-	MANISH RAJENDRA PAIGAMI	--
230	320191	-	MAYANK HEMANTKUMAR KHOTELE	--


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Department of Mathematics
Science College, Congress Nagar
NAGPUR.

RASHTRASAT TUKADOJI MAHARAJ NAGPUR UNIVERSITY,
NAGPUR

Internal Marks Sheet

Exam Name : SECOND SEMESTER BACHELOR OF SCIENCE (B.Sc.)

Subject Name : MATHEMATICS (PAPER 1)

College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE

Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
231	320194	-	NAYAN ASHOK KAMBLE	--
232	320203	-	SHARVARI MANIKRAO PATEWAR	--
233	320204	-	SHASHANK NEELIN RAMTEKE	--
234	320205	-	SHASHWAT RAMAKANT MISHRA	--
235	320207	-	SOMAY SATISH CHOULAN	--
236	320209	-	VAIBHAV DURGODHAN SURYAWANSHI	--
237	320212	-	VINAY MORESHWAR HULKE	--
238	320213	-	YASH ASHOKRAO BIHOTMANGE	--
239	320214	-	YASH SANJAY KHODE	--
240	320215	-	YASHWARDHAN SIDHESHWAR TUBID	--
241	335913	-	TANISHKA PRABHEEN CHANNE	--
242	335914	-	GAGAN NAROTT NAGPURKAR	--

HEAD
Signature of Examiner
Department of Mathematics
Science College, Congress Nagar,
NAGPUR.

Print Date & Time: 24-05-2024 12:30:11 PM

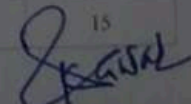


**RASHTRASAT TUKADOJI MAHARAJ NAGPUR UNIVERSITY,
NAGPUR**

Internal Marks Sheet

Exam Name : SECOND SEMESTER BACHELOR OF SCIENCE (B.SC.)
Subject Name : MATHEMATICS (PAPER II)
College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE
Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
1	319661		AATMA VITHOBA GAJBHIYE	15
2	319665		ADITI MAHESH SANGEWAR	15
3	319668		ADITI VINOD TARAR	15
4	319672		AKSHATA KISAN NAGPURKAR	15
5	319674		ANCHAL KEDARNATH PANDEY	15
6	319675		ANCHAL RAMSUSHIL TIWARI	15
7	319676		ANISHA ASHISH TIWARI	15
8	319677		ANJALI CHANDRAMANI MISHRA	15
9	319678		ANJALI MAROTI NEWARE	15
10	319679		ANJALI RAJESH YADAV	15
11	319682		ANTARA SHAILESH SAKHARE	15
12	319683		ANUSHKA MANISH AIDBAN	15
13	319684		ANUSHKA PRAMOD NARNWARE	15
14	319695		AYASHA RAJU MURADE	15
15	319698		BHAGYASHRI CHANDRASHEKHAR KUMRE	15
16	319699		BHAGYASHRI NARENDRA SURKAR	15
17	319700		BHAGYASHRI PRASHANT BARSAGADE	15
18	319702		BHAVNA DASHARAM DEHARIYA	15
19	319705		BHUMIKA RAVINDRA THAWRE	15
20	319711		DARSHANA HIRALAL KUHKE	15
21	319713		DEEPA RAJKUMAR GANGBOIR	15
22	319715		DEVYANI SATISH SHIVANKAR	15
23	319716		DHARINI SHYAM KARANDE	15
24	319717		DISHA INDAL BHELWA	15
25	319718		DIVYA VINOD WATKAR	15
26	319719		DIVYANI GAJENDRA DAWARE	15
27	319720		DRUTI WAMAN GAVHADE	15
28	319723		FIRDOSH SHARIF KAZI	15
29	319726		GAURI DILIP BHAKARE	15
30	319732		HARSHADA BANDU BADANE	15
31	319733		HARSHNEET KAUR JASPAL SINGH VIRDI	15
32	319734		HIMANI DHARMENDRA MASKE	15


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Department of Mathematics
Science College, C. U. Gress Nagar,
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RASHTRASAT TUKADOJI MAHARAJ NAGPUR UNIVERSITY,
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Internal Marks Sheet

Exam Name : SECOND SEMESTER BACHELOR OF SCIENCE (B.SC.)

Subject Name : MATHEMATICS (PAPER II)

College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE

Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
33	319739		JAGRUTI PRAHLAD BAIRAGI	15
34	319741		JANHAVI PRAFUL JAKKANWAR	15
35	319743		JANHAVI VASANTA WADHIVE	15
36	319747		JIYA ISHWAR SUKHADEVE	15
37	319749		KALYANI GAJANAN SATARE	15
38	319755		KASHISH RAMVEER CHAUHAN	15
39	319756		KASHISH SHANKAR MANKAR	15
40	319757		KASTURI ASHISH GUHE	15
41	319759		KAZANLI PRADIP BAGDE	15
42	319763		KHUSHI DINESH BHAGAT	15
43	319765		KHUSHI SHARDASINGH RAJPUT	15
44	319766		KRUNALI SURESH KHARAT	15
45	319768		LAVANYA DATTU PADOLE	15
46	319773		MADIHURI DURYODHAN BAWANKAR	15
47	319777		MANASVI MANOJ DESIBHIRAJAR	15
48	319779		MANIKA DILIPSINGH PARIHAR	15
49	319784		MANSI NIKESH KHANDARE	15
50	319788		MAYURI DEVENDRA DAHAKE	15
51	319789		MEGHA MUNNAJI NAGALWADE	15
52	319790		MEGHNA KISHOR GAIDHANE	15
53	319791		MOHINI DEORAO MATHANIKAR	15
54	319794		MONA VIJAY ZATALE	15
55	319795		MRUNAL SUNIL WANKHEDE	15
56	319798		NAMRATA NARESH RAUT	15
57	319802		NANDINI VIJAY KOHALE	15
58	319805		NEHARIKA RAJU LAKHOTE	15
59	319809		PAYAL DHARMPAL BAGLE	15
60	319810		PAYAL RAJESH GUPTA	15
61	319812		PORNIMA JAYLAL SAHU	15
62	319813		PRACHI BABURAO BANAIT	15
63	319814		PRACHI GAGAN NANDANWAR	15
64	319816		PRADNYA SURESH RAUT	15
65	319818		PRAJAKTA SANDESH RAMTEKE	15

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**RASHTRASAT TUKADOJI MAHARAJ NAGPUR UNIVERSITY,
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Exam Name : SECOND SEMESTER BACHELOR OF SCIENCE (B.SC)
Subject Name : MATHEMATICS (PAPER II)
College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE
Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
66	319819		PRANALI DEVIDAS PILLARE	15
67	319821		PRATIKSHA RAJESH RAMTEKE	15
68	319822		PRIYA KUMARI SANTOSH SINGH	15
69	319824		PRIYANKA RUSHI KULSANGE	15
70	319825		PUNAM SUNIL GAIDHANE	15
71	319829		RAJESHWARI ABANIKANT PRADHAN	15
72	319834		RASHIKA RISHIKESH KOLARKAR	15
73	319835		RASIKA SAHIN RAUT	15
74	319836		REETIKA RAVINDRA UIKEY	15
75	319838		RIDDHI BHAIYALAL RAJPUT	15
76	319842		ROZINA ZAKIR HUSSAIN SHEIKH	15
77	319843		RUDRAYANI SANJAY HARGUDE	15
78	319847		SAKSHI AKHILESH PAL	15
79	319851		SAMIKSHA RAVI MANWATKAR	15
80	319852		SAMIKSIA SOPAN BHARAMBE	15
81	319856		SANIKA GAJANAN VARPATKAR	15
82	319865		SAYONI UMESH KHANDARE	15
83	319869		SELINA ARJUN SHENDE	15
84	319874		SHEELA SUDARSHAN VISHWAKARMA	15
85	319875		SHITAL BHAGWAN RANGARI	15
86	319876		SHIVANI NAGENDRA MISHRA	15
87	319883		SHREYA PRADIP RAUT	15
88	319884		SHREYA UMESH SURPAM	15
89	319889		SHRUTI GEJRAJ MEHAR	15
90	319890		SHRUTI PRASANJEET MESHRAM	15
91	319892		SHRUTI WAMAN BANKAR	15
92	319893		SHRUTI YOGESH KHOBRAGADE	15
93	319900		SONU MAHESH MISHRA	15
94	319902		SRUSHITI JAGDISH VAIDYA	15
95	319906		TANIYA MAHENDRA UKEY	15
96	319909		TANUSHIKA MANOJ BIJAGAT	15
97	319910		TANUSHREE DEVANAND YELNE	15
98	319916		TRUPTI ARUN HATWAR	15

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College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE

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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
99	319917		TRUPTI SACHIN HUMANE	15
100	319918		TULSI KEWALRAM CHOUDHARI	15
101	319919		TWINKLE BHASKAR MADAVI	15
102	319930		VIDYA OMKAR MANMODE	15
103	319933		YOGITA MURLIDHAR SAHARE	15
104	319934		YUKTA DILIPRAO MANGAM	15
105	319936		ABHAY SINGHI	15
106	319937		ADARSH HIMMAT MANDWE	15
107	319939		ADITYA SUBHASH SONEKAR	15
108	319940		AJAY BHAGWANDAS AHIRWAR	15
109	319941		AKASH ANTIRAM PAWAR	15
110	319942		AKSHAD SHASHIKANT CHAVAN	15
111	319943		AKSHAY BABA WADEKAR	15
112	319945		ANIMESH PAWAN KHAIRKAR	15
113	319946		ANJESH MUKESH KATARE	15
114	319948		ANUGRAH ANIL SHARMA	15
115	319949		ARYAMAN MANOJ SHRIVASTAV	15
116	319951		AYUSH DEEPAK BANDHATE	15
117	319952		AYUSH HANS DAS BARSAGADE	15
118	319954		BHAVESH KRISHNAJI GHODMARE	15
119	319959		GAURAV ASHOKRAO UTKEY	15
120	319960		GAURAV DEVMAN KAKDE	15
121	319962		HIMANSHU ARUN RANE	15
122	319963		HIMANSHU DINESH WANDHE	15
123	319964		HIMANSHU GHANSHYAM DAMAHE	15
124	319965		HRUSHANG RAVINDRA NIMJE	15
125	319966		HUZAFUDDIN SOHEBUDDIN QAZI	15
126	319967		JATIN PURUSHOTTAM KARDE	15
127	319968		KARTIK GANESH DIGHORE	15
128	319970		KAUSHAL SITARAM BILKAR	15
129	319971		KHUSHAL GAJANAN DARVEKAR	15
130	319972		KRANTISURYA DHAMMAPAL WARKE	15
131	319976		NIKHIL BABURAO KUMRE	15

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Sl. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
132	319978		OM VITTHAL SAKHARKAR	15
133	319979		OSCAR ALYOUSIS FRANSWAH	15
134	319983		PRADUTT SANJAY AMBEDARE	15
135	319985		PRADWAL VINOD MANKAR	15
136	319986		PRALHAD BHUMESH RAHANGDALE	15
137	319988		PRANAY RAMESH KHADSE	15
138	319989		PRASHIK DEWANAND TIRPUDE	15
139	319991		PREET RAVINDRA CHAMALWAR	15
140	319992		PRIYANSHU BALANDAR TIWARI	15
141	319993		RITIK RAVINDRA RAUT	15
142	319994		RITTIK GAURANG SARKAR	15
143	319997		RUDRA ATUL KURHE	15
144	319998		RUTVIK PRABHAKAR KAWRE	15
145	319999		SAHIL JITENDRA MENDHE	15
146	320003		SAMYAK VINOD GAJBHIYE	15
147	320004		SANKET BHASKAR ANKAR	15
148	320005		SANKET RAJENDRA MATHANKAR	15
149	320007		SARVESH SAMIR PUJARI	15
150	320008		SASANT ANUP CHAHANDE	15
151	320011		SHIRISH RAINU GAWDE	15
152	320013		SIDDHESH NEMAD RAVI	15
153	320014		SOHAM VILIN TAMBDE	15
154	320016		SURAJ GAJANANRAO DANDALE	15
155	320018		TANAY DILIP MASRAM	15
156	320020		TOSHAN NITIN DESHMUKH	15
157	320022		VANSH TARACHAND CHOPDE	AB
158	320024		VIVEK VILAS INDURKAR	15
159	320028		YASH SHARAD HATTEWAR	15
160	320029		YASH SUDHIR SANTOSHWAR	15
161	320031		AARADHANA RAJENDRA BHASMOTE	--
162	320032		AARTI OMSHANKAR BAGHELE	--
163	320034		AKANSHA ARVIND LOKHANDE	--
164	320041		ANUSHIKA VINOD KUTHE	--

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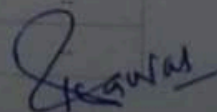
Exam Name : SECOND SEMESTER BACHELOR OF SCIENCE (B.SC.)

Subject Name : MATHEMATICS (PAPER II)

College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE

Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
165	320042	-	APURVA TAPAN SAHU	--
166	320046	-	ARYA VINOD RATHE	--
167	320047	-	ASHLESHA YI VRAJ WAGDE	--
168	320048	-	ASHWINI RATIRAM KHARWALE	--
169	320050	-	ASTHA GANGADHAR KARANDE	--
170	320051	-	AVANI PREMDAS KALE	--
171	320053	-	AYUSHI KRISHNA LICHADE	--
172	320056	-	CHIETNA MORESHWAR KHADSE	--
173	320057	-	CHIETNA PRAKASH GIRDE	--
174	320059	-	DEVASHREE BHAI RAO DHARMIK	--
175	320060	-	DEVSHRI ASHOK SAHU	--
176	320074	-	HIMANSHI RAMESH LUTE	--
177	320076	-	ISHA DINESH GONDANE	--
178	320079	-	JANHAVI VIRENDRA DESHMUKH	--
179	320080	-	JANHVI PANDHARI KANHER	--
180	320087	-	KAMAL BRIJESH PANDEY	--
181	320089	-	KASHISH GAJENDRA FULZELE	--
182	320091	-	KASHISH NAGENDRA SINGH	--
183	320092	-	KASHISH SUHAS LOKHANDE	--
184	320094	-	KIRANPREET KAUR SARVJEET SINGH	--
185	320096	-	KOMAL KISANA KOSEKAR	--
186	320097	-	KRITI AINKATRAO THAKUR	--
187	320099	-	KUNALI SATISH BHONDGE	--
188	320100	-	LAVANYA RAMAKANT TALNIKAR	--
189	320102	-	MADHURA SUNIL MASKE	--
190	320103	-	MADHURIMA SHAILESH GONNADE	--
191	320110	-	NANDINI DINKAR CHOUDHARI	--
192	320111	-	NANDINI LAXMAN WANKAR	--
193	320113	-	NEHA GAJENDRA GAWANDE	--
194	320119	-	PORNIMA PRABHU SAPATE	--
195	320121	-	PRANJAL JEEVAN PARATE	--
196	320122	-	PRANJALI ANKALESH DATIR	--
197	320123	-	PREERNA HANAMANT PATIL	--


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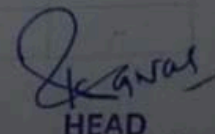
Department of Mathematics
Science College, Civil Lines Nagar,
NAGPUR

RASHTRASAT TUKADOJI MAHARAJ NAGPUR UNIVERSITY,
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Internal Marks Sheet

Exam Name : SECOND SEMESTER BACHELOR OF SCIENCE (B.SC.)
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College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE
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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
198	320124	-	PRIYA SANTOSH TULKUWAR	--
199	320125	-	PUNESHA DILIP KODANE	--
200	320127	-	RAKSHA GAJANAN RAUT	--
201	320130	-	RUPALI RAJESH DUDHANKAR	--
202	320131	-	RUTIKA VINAYAK WASNIK	--
203	320134	-	SAKSHI SANDIP WAGHE	--
204	320135	-	SALONI ARUN NANDANWAR	--
205	320137	-	SANIKA BHASKAR MARWADE	--
206	320138	-	SANIKA RAHUL KASHIKAR	--
207	320139	-	SANJANA ANKUSH DHOKE	--
208	320140	-	SEJAL ASHOK YADAV	--
209	320142	-	SHIJAL DIPAK KAROKAR	--
210	320143	-	SHIRAWANI DATTA DILWADE	--
211	320145	-	SHREYA TARACHAND BAGDE	--
212	320146	-	SHREYAL VIJAY BOMBARDE	--
213	320148	-	SMITA PURUSHOTTAM GAIDHANE	--
214	320150	-	SNEHAL SANJAY WANKHEDE	--
215	320152	-	SONAM SANTOSHKUMAR BAGHEL	--
216	320153	NA	SONU SHESHRAO CHANODE	--
217	320155	-	TANHVI CHANDRASHEKHAR MOHATURE	--
218	320162	-	VAISHNAVI DHIRAJ DHABRE	--
219	320163	--	VAISHNAVI GAJANAN DOBLE	--
220	320164	-	VAISHNAVI VINOD PAL	--
221	320166	-	VIDYA CHANDRAJAH IRGURWALA	--
222	320170	--	YASHIKA KUNDALIK BARDE	--
223	320173	-	ABHISHAKTI HARIBHAU GHUGAL	--
224	320179	-	ARYAN UMASHANKAR NAMDEO	--
225	320183	-	DEVANSHI SANJAY JANGDE	--
226	320184	-	DEVANSHU SANJAY PUNDE	--
227	320185	-	DHIRAJ RAJENDRA HEDAOG	--
228	320189	-	MANDAR CHANDRASHEKHAR SULAKHE	--
229	320190	-	MANISH RAJENDRA PAIGAMI	--
230	320191	-	MAYANK HEMANTKUMAR KHOTELE	--


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Science College, Congress Nagar, B/O
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College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE

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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
231	320194	-	NAYAN ASHOK KAMBLE	--
232	320203	-	SHARVARI MANIKRAO PATEWAR	--
233	320204	-	SHASHANK NITIN RAMTEKE	--
234	320205	-	SHASHWAT RAMAKANT MISHRA	--
235	320207	-	SOMAY SATISH CHOUDHAN	--
236	320209	-	VAIBHAV DURODHAN SURYAWANSHI	--
237	320212	-	VINAY MORESHWAR HULKE	--
238	320213	-	YASH ASHOKRAO BHOTMANGE	--
239	320214	-	YASH SANJAY KIBODE	--
240	320215	-	YASHWARDHAN SIDHESHWAR TUBID	--
241	335913	-	TANISHKA PRAVEEN CHIANNE	--
242	335914	-	GAGAN MAROTI NAGPUREKAR	--

Print Date & Time: 24-05-2024 12:18:08 PM

Signature of Examiner

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Department of Mathematics
Science College, Congress Nagar,
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RASHTRASAT TUKADOJI MAHARAJ NAGPUR UNIVERSITY,
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Exam Name : FOURTH SEMESTER BACHELOR OF SCIENCE (B.SC.)

Subject Name : MATHEMATICS (PAPER I)

College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE

Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
1	292382	20231010008923	AARADHANA RAJENDRA BHASMOTE	12
2	292383	20231010008924	AARTI OMSHANKAR BAGHELE	15
3	292386	20231010008927	ACHAL RUSHI KANGALE	13
4	292387	20231010008928	AISHWARYA PRAKASH MENDWADE	12
5	292389	20231010008930	AKANSHA ARVIND LOKHANDE	12
6	292391	20231010008933	AKSHITA PUSHPARAJ MOHADIKAR	14
7	292393	20231010008936	AMRUTA VIJAY GAWANDE	13
8	292397	20231010008941	ANUJA JAYANT NAGRIKAR	14
9	292403	20231010008947	ANUSHKA VINOD KUIITE	12
10	292404	20231010008948	APARAJITA APURBA BISWAS	12
11	292405	20231010008949	APURVA TAPAN SAHU	15
12	292410	20231010008954	ARYA VINOD RATTHE	12
13	292411	20231010008955	ASHLESHA YUVRAJ WAGDE	13
14	292412	20231010009285	ASHWINI RATIRAM KHARWALE	12
15	292414	20231010008958	ASTHA GANGADHAR KARANDE	12
16	292415	20231010011579	AVANI PREMDAS KALE	14
17	292418	20231010008964	AYUSHI KRISHNA LICHADE	14
18	292419	20231010008966	BHAGYASHREE CHANDRAKUMAR SONWANE	12
19	292423	20231010008970	CHETANA MANISH PARDHI	12
20	292425	20231010008972	CHETNA MORESHWAR KHADSE	14
21	292426	20231010008973	CHETNA PRAKASH GIRDE	12
22	292428	20231010008975	DEVASHREE BHURAO DHARMIK	12
23	292429	20231010008976	DEVSHRI ASHOK SAHU	12
24	292433	20231010008980	DIVYA DINESH KAMBLE	15
25	292441	20231010008988	FALGUNI ANIL SINGALWAR	13
26	292448	20231010008996	GUNJAN BHASHKAR RADKE	15

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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
27	292453	20231010009001	HIMANSHI RAMESH LUTE	12
28	292454	20231010009002	HIMANSHI VIJAY MEHAR	15
29	292457	20231010009006	ISHA DINESH GONDANE	12
30	292458	20231010009007	ISHA ROSHAN DUBEY	12
31	292465	20231010009015	JANHAVI VIRENDRA DESHMUKH	12
32	292466	20231010009016	JANHVI PANDHARI KANHER	14
33	292473	20231010009025	KAJAL PURUSHOTTAM GOWARDIPE	12
34	292475	20231010009028	KAMAL BRIJESH PANDEY	12
35	292478	20231010009031	KASHISH GAJENDRA FULZELE	12
36	292480	20231010009033	KASHISH NAGENDRA SINGH	14
37	292481	20231010009035	KASHISH SUHAS LOKHANDE	12
38	292484	20231010009038	KHUSHI KAILASH AKRE	15
39	292489	20231010009044	KIRANPREET KAUR SARVJEET SINGH CHANIANA	13
40	292491	20231010009046	KOMAL KISANA KOSEKAR	12
41	292493	20231010009048	KRITI AINKATRAO THAKUR	12
42	292494	20231010009049	KRITIKA YOGESH UIKEY	15
43	292495	20231010009050	KRUTIKA ANKUSH GHORMARE	15
44	292497	20231010009052	KUNALI SATISH BHONDGE	15
45	292498	20231010009054	LAVANYA RAMAKANT TALNIKAR	15
46	292499	20231010009055	LAXMI DEVIDAS BAWANKULE	13
47	292501	20231010009057	MADHURA SUNIL MASKE	12
48	292502	20231010009058	MADHURIMA SHAILESH GONNADE	13
49	292520	20231010011591	MUGDHA RAJESH DAKHOLE	13
50	292523	20231010009086	NANDINI DINKAR CHOUDHARI	14
51	292524	20231010009087	NANDINI LAXMAN WANKAR	12

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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
52	292526	20231010009089	NEHA GAJENDRA GAWANDE	13
53	292527	20231010009090	NEHA KISAN KHANDATE	12
54	292537	20231010009103	PORNIMA PRABHU SAPATE	12
55	292539	20231010009106	PRACHI DILIP THAKARE	15
56	292542	20231010009110	PRANJAL JEEVAN PARATE	12
57	292543	20231010009112	PRANJALI ANKALESH DATIR	12
58	292544	20231010009114	PRATEEKSHA PRAVIN BHAYDE	13
59	292545	20231010009115	PRERNA HANAMANT PATIL	15
60	292546	20231010011782	PRINCY ASHOK GUPTA	12
61	292547	20231010009116	PRIYA RAKESHKUMAR TIWARI	15
62	292548	20231010009117	PRIYA SANTOSH FULKUWAR	12
63	292549	20231010009118	PUNESHA DILIP KODANE	12
64	292551	20231010009121	RAJVEE SAROJ SONTAKKE	15
65	292552	20231010009122	RAJVI PRASHANT MAMULKAR	15
66	292553	20231010009123	RAKSHA GAJANAN RAUT	12
67	292554	20231010009124	RAKSHA SANJAY SATFALE	15
68	292563	20231010009136	RUPALI RAJESH DUDHANKAR	12
69	292565	20231010009138	RUTIKA VINAYAK WASNIK	12
70	292566	20231010009139	RUTUJA RAJENDRA BHUJADE	15
71	292572	20231010009147	SAKSHI SANDIP WAGHE	14
72	292574	20231010009149	SALONI ARUN NANDANWAR	15
73	292577	20231010009152	SALONI RAJKUMAR GANVIR	12
74	292580	20211010021074	SAMRUDDHI KISHOR JIBHEKAR	14
75	292582	20231010009157	SANIKA BHASKAR MARWADE	12
76	292585	20231010009160	SANIKA RAHUL KASHIKAR	12
77	292586	20231010009161	SANIKA RAVINDRA CHAUDHARI	15

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Internal Marks Sheet

Exam Name : FOURTH SEMESTER BACHELOR OF SCIENCE (B.SC.)

Subject Name : MATHEMATICS (PAPER I)

College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE

Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
78	292588	20231010009163	SANJANA ANKUSH DHOKE	12
79	292589	20231010009164	SANJANA KISHORJI LENDE	15
80	292591	20231010009167	SAYALI DEVRAO MANKAR	15
81	292592	20231010009169	SAYLI VIVEK HEDAU	13
82	292593	20231010009170	SEJAL ASHOK YADAV	12
83	292596	20231010009176	SHARVARI MANIKRAO PATEWAR	15
84	292597	20231010009177	SHEETAL AZAD SINGH	15
85	292598	20231010009171	SHEJAL DIPAK KAROKAR	12
86	292603	20231010009183	SHRAWANI DATTA DHAWADE	12
87	292608	20231010009188	SHREYA TARACHAND BAGDE	12
88	292609	20231010009190	SHREYAL VIJAY BOMBARDE	12
89	292616	20231010009201	SMITA PURUSHOTTAM GAIDHANE	15
90	292620	20231010009207	SNEHAL SANJAY WANKHEDE	14
91	292622	20231010009209	SONAM SANTOSHKUMAR BAGHEL	12
92	292623	20231010009210	SONU SHESHRAO CHANODE	15
93	292626	20231010009214	SUHANI ANAND TONGE	12
94	292627	20231010009216	SUHANI RAMESHWAR LUTE	12
95	292629	20231010009218	SUHANI SUKHADEO THAKARE	12
96	292632	20231010009222	SWEJAL PRASHANT GAJBHIYE	15
97	292633	20231010009223	TAMANNA VIJAY YADAV	13
98	292634	20231010009224	TANHVI CHANDRASHEKHAR MOHATURE	14
99	292635	20231010009226	TANISHKA PRAVEEN CHANNE	12
100	292636	20231010011784	TANU LXANDER TOMAR	15
101	292641	20231010009233	TASMIYA HAMID BAIG	13
102	292642	20231010009234	TEJASVI PRAVIN WAHANE	12
103	292643	20231010009235	TEJASWI MOTIRAM KUBADE	12

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Internal Marks Sheet

Exam Name : FOURTH SEMESTER BACHELOR OF SCIENCE (B.SC.)
Subject Name : MATHEMATICS (PAPER I)
College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE
Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
104	292654	20231010009246	VAISHNAVI BHARAT GUPTA	12
105	292656	20231010009248	VAISHNAVI CHANDRASHEKHAR BHUTE	13
106	292657	20231010009249	VAISHNAVI DHIRAJ DHABRE	13
107	292658	20231010009250	VAISHNAVI GAJANAN DOBLE	12
108	292659	20231010009254	VAISHNAVI VINOD PAL	12
109	292661	20231010009259	VIDYA CHANDRAIAH IRGURALA	14
110	292663	20231010009261	VINA DILIP GUDADHE	12
111	292666	20231010009264	VRUDDHI SAWAN NIRANJANE	13
112	292668	20231010009266	YASHIKA KUNDALIK BARDE	12
113	292672	20231010009271	ABHISHAKTI HARIBHAU GHUGAL	12
114	292674	20231010009273	ADITYA RITESH DHUDSE	12
115	292675	20231010009274	AJINKYA MAHENDRA INGLE	12
116	292677	20231010009279	ANURAG AVIN BAWANKULE	12
117	292679	20231010009281	ARPIT MANOJ BANGRE	12
118	292681	20231010009283	ARYAN UMASHANKAR NAMDEO	12
119	292683	2021016600679115	ATHARVA JITENDRA TOMAR	12
120	292685	20231010009287	DEVANSH SANJAY JANGDE	12
121	292687	20231010009291	DHIRAJ RAJENDRA HEDAHO	14
122	292690	20231010009296	GAGAN MAROTI NAGPURKAR	12
123	292692	20231010009300	HARSHAL RAJESH UMREDKAR	12
124	292693	20231010009301	HARSHIT PRAMOD MOURYA	15
125	292694	20231010009302	HARSHIT VIKRAM SHIVHARE	12
126	292696	20231010009304	HIMANSHU MUKESH VYAS	12
127	292697	20231010009305	HITESH SANTOSH FULMALI	12
128	292699	20231010009307	HRUSHIKESH SANJAY BATWE	12
129	292700	20231010009308	HUZEFA KHUZEMA ARVIWALA	13

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College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE

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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
130	292701	20231010009310	JATIN SURESH KHARE	15
131	292702	20231010009311	JAY MANOJSINGH CHANDEL	12
132	292704	20231010009313	KALASH SUDHAKAR BARSAGADE	12
133	292705	20231010009315	KHUSHRANG JAIPRAKASH BHENDARKAR	12
134	292707	20231010009318	MAHENDRA GANESH DEWANGAN	12
135	292708	20231010009319	MANDAR CHANDRASHEKHAR SULAKHE	12
136	292709	20231010009320	MANISH RAJENDRA PAIGAMI	12
137	292710	20231010009321	MAYANK HEMANTKUMAR KHOTELE	12
138	292714	20231010009076	MOHINI MANOHAR RAUT	12
139	292715	20231010009325	NAYAN ASHOK KAMBLE	12
140	292716	20231010009327	NIKHIL NARAYAN NASARE	15
141	292718	20231010009329	OM GAJANAN BORKAR	12
142	292720	20231010009331	PRATIK PREMDAS CHAVAN	13
143	292721	20231010009332	PREMANSHU ANIL WAHANE	12
144	292722	20231010009333	PRESHIT RAJESH WAHALE	13
145	292723	20231010009334	RAHUL RAJENDRA NASARE	12
146	292724	20231010009335	RAM ARUN NEMADE	15
147	292726	20231010009339	SAGAR ARUN BISEN	12
148	292727	20231010009340	SAHARSH SURESH DOLAS	12
149	292730	20231010009345	SARVESH SUDHIR DAWARE	15
150	292731	2021016600956417	SAURABH DADARAO DABHADE	13
151	292733	20231010009347	SHASHANK NITIN RAMTEKE	12
152	292734	20231010009348	SHASHWAT RAMAKANT MISHRA	13
153	292736	20231010009350	SOHAM NITIN DANGORE	12
154	292737	20231010009351	SOKSHAM NISHANT DHOK	12
155	292738	20231010009352	SOMAY SATISH CHOUHAN	12

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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
156	292739	20231010009220	SUMATI SANJAY KALE	15
157	292740	20231010009354	SWAYAM KISHOR SAWARKAR	13
158	292742	20231010009356	UJJWAL RAJESH MANKAR	12
159	292743	20231010009357	VAIBHAV DURYODHAN SURYAWANSHI	12
160	292745	20231010009361	VARAD ATUL BHATTALWAR	13
161	292746	20231010009362	VEDANT PRASHANT GAIKI	15
162	292748	20231010009363	VINAY MORESHWAR HULKE	12
163	292749	20231010009364	VISHAL VISHWANATH MONDHE	14
164	292750	20231010009366	YASH ASHOKRAO BHOTMANGE	12
165	292752	20231010009368	YASH RAJU GAJBHIYE	12
166	292753	20231010009369	YASH SANJAY KHODE	12
167	292755	20231010009371	YASHWARDHAN SIDHESHWAR TUBID	12
168	292758	2021016600478222	AASTHA SANJU JADHAV	--
169	292759	2021016600678023	AKANKSHA KUMESHWAR KIRPAN	--
170	292760	2021016600484853	AKSHATA SUNIL JADHAV	--
171	292761	2021016600458241	AMISHA ASHISH RAJABHOJ	--
172	292762	2021016600679297	ANJALI DILIP LANGDE	--
173	292763	2021016600706764	ANJALI NANESHWAR LODHIKAR	--
174	292765	2021016600534487	ANUSHKA GANESH RAMAPURE	--
175	292766	2021016600715094	ARTI SUBHASH JOSHI	--
176	292768	2021016600707133	AYESHA ASHFAQUE SIDDIQUI	--
177	292770	2021016600470501	DISHA SUNIL TAKALKHEDE	--
178	292771	2021016600535266	DIVYANKA MANOJ RAUT	--
179	292772	2021016600485582	DIVYASHRI SURENDRA GAJBHIYE	--
180	292776	2021016600479314	GAYATRI VINOD KAWALE	--
181	292777	2021016600659246	HARSHU CHANDU MAKODE	--

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College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE
Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
182	292778	2021016600484837	JANHVI DHIRENDRA KAYARKAR	--
183	292779	2021016600479353	JANVI SUBHASH KENE	--
184	292780	2021016600535251	JAYSHREE PRAKASH YADAV	--
185	292781	2021016600659285	JYOTI DHANRAJ CHAUHAN	--
186	292783	2021016600707156	KHUSHI MANOJ MISAR	--
187	292785	2021016600473097	KHUSHI SHASHIKANT BARAMATE	--
188	292789	2021016600681064	KRUTIKA NIRAJ THAKRE	--
189	292793	2021016600724402	MRUNAL RAJESH KHEDKAR	--
190	292794	2021016600661253	MRUNALI ROSHAN MESHRAM	--
191	292797	2021016600458191	NIDHI SHAILESH BAWANGADE	--
192	292798	2021016600507556	NIDHI VISHNUJI KHAMBALKAR	--
193	292799	2021016600487283	NIKHITA RAVIKANT MESHRAM	--
194	292800	2021016600721381	NIKITA SITARAM MASRAM	--
195	292802	2021016600666505	NUPUL MAHENDRA SONTAKKE	--
196	292803	2021016600664321	PALAK SATISH PAROCHE	--
197	292804	2021016600679316	PARMITA SIDDHARTH DESHBHRATAR	--
198	292806	2021016600666513	PRANALI DIWAKAR DANDEKAR	--
199	292807	2021016600669353	PRATIKSHA BABAN DANGE	--
200	292808	2021016600660192	PRATYUSHA PRASUN MAHORKAR	--
201	292813	2021016600678046	ROSHNI SHRIHARI MESHRAM	--
202	292814	2021016600470041	RUDHALI RAMESH PATIL	--
203	292815	2021016600473101	SAKSHI MOTIRAM LANJEWAR	--
204	292816	2021016600724433	SAKSHI PRAMOD DHAKATE	--
205	292821	2021016600491667	SANJIVANI SAGAR BHAGAT	--
206	292822	2021016600470331	SANSKRUTI RAJENDRA MARBATE	--
207	292823	2021016600716766	SANSKRUTI SANJAY KADU	--

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Internal Marks Sheet

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Subject Name : MATHEMATICS (PAPER I)
College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE
Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
208	292825	2021016600455536	SHRADDHA SUNIL SANDEL	--
209	292827	2021016600535243	SHREYA NARENDRA DOKWAL	--
210	292830	2021016600681025	SHRUTI RAJENDRA BHAGAT	--
211	292831	2021016600474464	SHRUTI SACHIN GAIKWAD	--
212	292832	2021016600480975	SHRUTI SUNIL SAMARTH	--
213	292833	-	SHUBHADA VIKAS KABULE	--
214	292835	2021016600515134	SONALI SURESH PATLE	--
215	292837	2021016600466557	STUTI GIRISH KAROTIYA	--
216	292839	2021016600669732	SWETA SANDEEP NAIDU	--
217	292845	2021016600515126	VAISHNAVI VIJAY DHADSE	--
218	292846	2021016600463822	VEDANTI PRAMOD DOBLE	--
219	292848	2021016600670406	YOGESHREE DINESH BARAI	--
220	292849	2021016600461533	YUNAKSHI PRABHAKAR KAROKAR	--
221	292850	2021016600669337	ABHINAV BHUPENDRA KUKDE	--
222	292852	2021016600516853	ADITYA RAJESH SELOKAR	--
223	292853	2021016600458233	AGILESH JAYARAMAN IYAR	--
224	292854	2021016600475131	ANIKET PURUSHOTTAMN BARAPATRE	--
225	292855	2021016600668887	ANSHUL LAXMAN KHOT	--
226	292858	2021016600471512	ATHARV RAMBHAU AMBEKAR	--
227	292862	2021016600659277	DARSHAN VIJAY DARVEKAR	--
228	292863	2021016600670387	DEEPAK UMESH VISHWAKARMA	--
229	292864	2021016600483617	DEVENDRA GAJANAN JAIPURKAR	--
230	292865	2021016600663453	DIKSHANT PRASHANT WASNIK	--
231	292866	2021016600524125	GAURAV SHEKHAR KUMARE	--
232	292868	2021016600471083	HARSHAL BHOJRAJ RANGARI	--
233	292869	2021016600458392	HIMANSHU DILIP RAMTEKE	--

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Department of Mathematics
Science College, Congress Nagar,
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RASHTRASAT TUKADOJI MAHARAJ NAGPUR UNIVERSITY,
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Internal Marks Sheet

Exam Name : FOURTH SEMESTER BACHELOR OF SCIENCE (B.SC.)
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College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE
Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
234	292871	2021016600663097	JAYANT JAGDISH HALDAR	--
235	292872	2021016600659293	KASHISH MUNESHWAR BAWANGADE	--
236	292873	2021016600666471	KRUNAL GAJANAN BHAGAT	--
237	292874	2021016600474495	LOKESH SHRINIWAS PATEL	--
238	292875	2021016600470571	MAYUR RAGHVENDRA BANSHPAL	--
239	292880	2021016600724417	PIYUSH MANOHARRAO UKINKAR	--
240	292881	2021016600678321	PRANAV RAMBHAU BAGADE	--
241	292884	2021016600716743	PRIYANSH BABURAO KOICHE	--
242	292886	2021016600668906	RAGHAV MOHAN PANDEY	--
243	292888	2021016600466565	RAJAT BRIJLAL TIWARI	--
244	292889	20201010012967	RAVI RANJAN KUMAR	--
245	292890	2021016600664657	RUSHIKESH SATISHRAO TAMBUSKAR	--
246	292891	2021016600681033	RUSHIKESH SHUBHAKAR WASE	--
247	292892	2021016600487291	SARANG VILAS WAGH	--
248	292893	2021016600675342	SARVESH LILADHAR NAGARDHANKAR	--
249	292894	2021016600470064	SAUMYA FULSING UPRADE	--
250	292895	2021016600712811	SAURAV UTTAM CHAPLE	--
251	292896	2021016600661276	SHREYASH MAHADEO LAKDE	--
252	292897	2021016600481955	SHRIHARI AJAY SAMARTH	--
253	292898	2021016600515165	SHRINAY YOGESH BHIWGADE	--
254	292899	20211010021263	SHUBHAM RAJENDRA SATHAWANE	--
255	292902	2021016600481971	SUJAN AJAY NANDAGAWALI	--
256	292904	2021016600663693	SWETH ARJUN PIMPALKAR	--
257	292906	2021016600487333	VIKRANT DEVENDRA SIRSAT	--
258	292907	2021016600470056	VINKU MANIK MOUNDEKAR	--
259	292909	2021016600515993	YASH ARVIND SONPIMPALE	--

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Department of Mathematics
Science C
Signature of Examiner

RASHTRASAT TUKADOJI MAHARAJ NAGPUR UNIVERSITY,
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Exam Name : FOURTH SEMESTER BACHELOR OF SCIENCE (B.SC.)

Subject Name : MATHEMATICS (PAPER II)

College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE

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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
1	292382	20231010008923	AARADHANA RAJENDRA BHASMOTE	12
2	292383	20231010008924	AARTI OMSHANKAR BAGHELE	15
3	292386	20231010008927	ACHAL RUSHI KANGALE	14
4	292387	20231010008928	AISHWARYA PRAKASH MENDWADE	12
5	292389	20231010008930	AKANSHA ARVIND LOKHANDE	12
6	292391	20231010008933	AKSHITA PUSHPARAJ MOHADIKAR	14
7	292393	20231010008936	AMRUTA VIJAY GAWANDE	13
8	292397	20231010008941	ANUJA JAYANT NAGRIKAR	14
9	292403	20231010008947	ANUSHKA VINOD KUIITE	13
10	292404	20231010008948	APARAJITA APURBA BISWAS	12
11	292405	20231010008949	APURVA TAPAN SAHU	15
12	292410	20231010008954	ARYA VINOD RATTHE	12
13	292411	20231010008955	ASHLESHA YUVRAJ WAGDE	13
14	292412	20231010009285	ASHWINI RATIRAM KHARWALE	13
15	292414	20231010008958	ASTHA GANGADHAR KARANDE	12
16	292415	20231010011579	AVANI PREMDAS KALE	14
17	292418	20231010008964	AYUSHI KRISHNA LICHADE	13
18	292419	20231010008966	BHAGYASHREE CHANDRAKUMAR SONWANE	13
19	292423	20231010008970	CHETANA MANISH PARDHI	13
20	292425	20231010008972	CHETNA MORESHWAR KHADSE	15
21	292426	20231010008973	CHETNA PRAKASH GIRDE	12
22	292428	20231010008975	DEVASHREE BHAURAO DHARMIK	12
23	292429	20231010008976	DEVSHRI ASHOK SAHU	12
24	292433	20231010008980	DIVYA DINESH KAMBLE	15
25	292441	20231010008988	FALGUNI ANIL SINGALWAR	13
26	292448	20231010008996	GUNJAN BHASHKAR RADKE	15

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Science College, C. G. Road, Nagpur
Signature of Head
N. C. P. H.



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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
27	292453	20231010009001	HIMANSHI RAMESH LUTE	13
28	292454	20231010009002	HIMANSHI VIJAY MEHAR	15
29	292457	20231010009006	ISHA DINESH GONDANE	13
30	292458	20231010009007	ISHA ROSHAN DUBEY	12
31	292465	20231010009015	JANHAVI VIRENDRA DESHMUKH	12
32	292466	20231010009016	JANHVI PANDHARI KANHER	14
33	292473	20231010009025	KAJAL PURUSHOTTAM GOWARDIPE	13
34	292475	20231010009028	KAMAL BRIJESH PANDEY	12
35	292478	20231010009031	KASHISH GAJENDRA FULZELE	13
36	292480	20231010009033	KASHISH NAGENDRA SINGH	14
37	292481	20231010009035	KASHISH SUHAS LOKHANDE	12
38	292484	20231010009038	KHUSHI KAILASH AKRE	15
39	292489	20231010009044	KIRANPREET KAUR SARVJEET SINGH CHANIANA	14
40	292491	20231010009046	KOMAL KISANA KOSEKAR	12
41	292493	20231010009048	KRITI AINKATRAO THAKUR	12
42	292494	20231010009049	KRITIKA YOGESH UIKEY	14
43	292495	20231010009050	KRUTIKA ANKUSH GHORMARE	14
44	292497	20231010009052	KUNALI SATISH BHONDGE	15
45	292498	20231010009054	LAVANYA RAMAKANT TALNIKAR	15
46	292499	20231010009055	LAXMI DEVIDAS BAWANKULE	14
47	292501	20231010009057	MADHURA SUNIL MASKE	12
48	292502	20231010009058	MADHURIMA SHAILESH GONNADE	14
49	292520	20231010011591	MUGDHA RAJESH DAKHOLE	14
50	292523	20231010009086	NANDINI DINKAR CHOUDHARI	15
51	292524	20231010009087	NANDINI LAXMAN WANKAR	12

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Department of Mathematics
Science College, C. J. Gress Nagar,
NAGPUR
Signature of Examiner



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College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE
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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
52	292526	20231010009089	NEHA GAJENDRA GAWANDE	13
53	292527	20231010009090	NEHA KISAN KHANDATE	13
54	292537	20231010009103	PORNIMA PRABHU SAPATE	12
55	292539	20231010009106	PRACHI DILIP THAKARE	15
56	292542	20231010009110	PRANJAL JEEVAN PARATE	12
57	292543	20231010009112	PRANJALI ANKALESH DATIR	12
58	292544	20231010009114	PRATEEKSHA PRAVIN BHAYDE	14
59	292545	20231010009115	PRERNA HANAMANT PATIL	15
60	292546	20231010011782	PRINCY ASHOK GUPTA	13
61	292547	20231010009116	PRIYA RAKESHKUMAR TIWARI	15
62	292548	20231010009117	PRIYA SANTOSH FULKUWAR	12
63	292549	20231010009118	PUNESHA DILIP KODANE	13
64	292551	20231010009121	RAJVEE SAROJ SONTAKKE	14
65	292552	20231010009122	RAJVI PRASHANT MAMULKAR	15
66	292553	20231010009123	RAKSHA GAJANAN RAUT	12
67	292554	20231010009124	RAKSHA SANJAY SATFALE	15
68	292563	20231010009136	RUPALI RAJESH DUDHANKAR	12
69	292565	20231010009138	RUTIKA VINAYAK WASNIK	13
70	292566	20231010009139	RUTUJA RAJENDRA BHUJADE	15
71	292572	20231010009147	SAKSHI SANDIP WAGHE	14
72	292574	20231010009149	SALONI ARUN NANDANWAR	14
73	292577	20231010009152	SALONI RAJKUMAR GANVIR	12
74	292580	20211010021074	SAMRUDDHI KISHOR JIBHEKAR	14
75	292582	20231010009157	SANIKA BHASKAR MARWADE	13
76	292585	20231010009160	SANIKA RAHUL KASHIKAR	13
77	292586	20231010009161	SANIKA RAVINDRA CHAUDHARI	15

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Department of Mathematics
Science College, Chitambar Nagar,
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**RASHTRASAT TUKADOJI MAHARAJ NAGPUR UNIVERSITY,
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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
78	292588	20231010009163	SANJANA ANKUSH DHOKE	12
79	292589	20231010009164	SANJANA KISHORJI LENDE	15
80	292591	20231010009167	SAYALI DEVRAO MANKAR	15
81	292592	20231010009169	SAYLI VIVEK HEDAU	14
82	292593	20231010009170	SEJAL ASHOK YADAV	13
83	292596	20231010009176	SHARVARI MANIKRAO PATEWAR	13
84	292597	20231010009177	SHEETAL AZAD SINGH	14
85	292598	20231010009171	SHEJAL DIPAK KAROKAR	13
86	292603	20231010009183	SHRAWANI DATTA DHAWADE	13
87	292608	20231010009188	SHREYA TARACHAND BAGDE	13
88	292609	20231010009190	SHREYAL VIJAY BOMBARDE	13
89	292616	20231010009201	SMITA PURUSHOTTAM GAIDHANE	15
90	292620	20231010009207	SNEHAL SANJAY WANKHEDE	13
91	292622	20231010009209	SONAM SANTOSHKUMAR BAGHEL	12
92	292623	20231010009210	SONU SHESHRAO CHANODE	15
93	292626	20231010009214	SUHANI ANAND TONGE	12
94	292627	20231010009216	SUHANI RAMESHWAR LUTE	12
95	292629	20231010009218	SUHANI SUKHADEO THAKARE	12
96	292632	20231010009222	SWEJAL PRASHANT GAJBHIYE	15
97	292633	20231010009223	TAMANNA VIJAY YADAV	14
98	292634	20231010009224	TANHVI CHANDRASHEKHAR MOHATURE	15
99	292635	20231010009226	TANISHKA PRAVEEN CHANNE	12
100	292636	20231010011784	TANU LXANDER TOMAR	13
101	292641	20231010009233	TASMIYA HAMID BAIG	13
102	292642	20231010009234	TEJASVI PRAVIN WAHANE	12
103	292643	20231010009235	TEJASWI MOTIRAM KUBADE	13

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Internal Marks Sheet

Exam Name : FOURTH SEMESTER BACHELOR OF SCIENCE (B.SC.)
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College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE
Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
104	292654	20231010009246	VAISHNAVI BHARAT GUPTA	13
105	292656	20231010009248	VAISHNAVI CHANDRASHEKHAR BHUTE	12
106	292657	20231010009249	VAISHNAVI DHIRAJ DHABRE	14
107	292658	20231010009250	VAISHNAVI GAJANAN DOBLE	13
108	292659	20231010009254	VAISHNAVI VINOD PAL	12
109	292661	20231010009259	VIDYA CHANDRAIAH IRGURALA	14
110	292663	20231010009261	VINA DILIP GUDADHE	13
111	292666	20231010009264	VRUDDHI SAWAN NIRANJANE	14
112	292668	20231010009266	YASHIKA KUNDALIK BARDE	13
113	292672	20231010009271	ABHISHAKTI HARIBHAU GHUGAL	13
114	292674	20231010009273	ADITYA RITESH DHUDSE	12
115	292675	20231010009274	AJINKYA MAHENDRA INGLE	12
116	292677	20231010009279	ANURAG AVIN BAWANKULE	13
117	292679	20231010009281	ARPIT MANOJ BANGRE	12
118	292681	20231010009283	ARYAN UMASHANKAR NAMDEO	12
119	292683	2021016600679115	ATHARVA JITENDRA TOMAR	12
120	292685	20231010009287	DEVANSH SANJAY JANGDE	13
121	292687	20231010009291	DHIRAJ RAJENDRA HEDAHO	14
122	292690	20231010009296	GAGAN MAROTI NAGPURKAR	12
123	292692	20231010009300	HARSHAL RAJESH UMREDKAR	12
124	292693	20231010009301	HARSHIT PRAMOD MOURYA	13
125	292694	20231010009302	HARSHIT VIKRAM SHIVHARE	12
126	292696	20231010009304	HIMANSHU MUKESH VYAS	12
127	292697	20231010009305	HITESH SANTOSH FULMALI	12
128	292699	20231010009307	HRUSHIKESH SANJAY BATWE	12
129	292700	20231010009308	HUZEFA KHUZEMA ARVIWALA	13

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College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE
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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max
130	292701	20231010009310	JATIN SURESH KHARE	14
131	292702	20231010009311	JAY MANOJSINGH CHANDEL	12
132	292704	20231010009313	KALASH SUDHAKAR BARSAGADE	12
133	292705	20231010009315	KHUSHRANG JAIPRAKASH BHENDARKAR	12
134	292707	20231010009318	MAHENDRA GANESH DEWANGAN	12
135	292708	20231010009319	MANDAR CHANDRASHEKHAR SULAKHE	12
136	292709	20231010009320	MANISH RAJENDRA PAIGAMI	12
137	292710	20231010009321	MAYANK HEMANTKUMAR KHOTELE	12
138	292714	20231010009076	MOHINI MANOHAR RAUT	12
139	292715	20231010009325	NAYAN ASHOK KAMBLE	12
140	292716	20231010009327	NIKHIL NARAYAN NASARE	14
141	292718	20231010009329	OM GAJANAN BORKAR	12
142	292720	20231010009331	PRATIK PREMDAS CHAVAN	13
143	292721	20231010009332	PREMANSHU ANIL WAHANE	12
144	292722	20231010009333	PRESHIT RAJESH WAHALE	13
145	292723	20231010009334	RAHUL RAJENDRA NASARE	12
146	292724	20231010009335	RAM ARUN NEMADE	15
147	292726	20231010009339	SAGAR ARUN BISEN	12
148	292727	20231010009340	SAHARSH SURESH DOLAS	12
149	292730	20231010009345	SARVESH SUDHIR DAWARE	15
150	292731	2021016600956417	SAURABH DADARAO DABHADE	12
151	292733	20231010009347	SHASHANK NITIN RAMTEKE	13
152	292734	20231010009348	SHASHWAT RAMAKANT MISHRA	13
153	292736	20231010009350	SOHAM NITIN DANGORE	13
154	292737	20231010009351	SOKSHAM NISHANT DHOK	13
155	292738	20231010009352	SOMAY SATISH CHOUHAN	12

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Department of Mathematics
Science College, Nagpur
Signature of Examiner

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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
156	292739	20231010009220	SUMATI SANJAY KALE	15
157	292740	20231010009354	SWAYAM KISHOR SAWARKAR	13
158	292742	20231010009356	UJJWAL RAJESH MANKAR	13
159	292743	20231010009357	VAIBHAV DURYODHAN SURYAWANSHI	12
160	292745	20231010009361	VARAD ATUL BHATTALWAR	13
161	292746	20231010009362	VEDANT PRASHANT GAIKI	15
162	292748	20231010009363	VINAY MORESHWAR HULKE	12
163	292749	20231010009364	VISHAL VISHWANATH MONDHE	13
164	292750	20231010009366	YASH ASHOKRAO BHOTMANGE	12
165	292752	20231010009368	YASH RAJU GAJBHIYE	12
166	292753	20231010009369	YASH SANJAY KHODE	12
167	292755	20231010009371	YASHWARDHAN SIDHESHWAR TUBID	12
168	292758	2021016600478222	AASTHA SANJU JADHAV	--
169	292759	2021016600678023	AKANKSHA KUMESHWAR KIRPAN	--
170	292760	2021016600484853	AKSHATA SUNIL JADHAV	--
171	292761	2021016600458241	AMISHA ASHISH RAJABHOJ	--
172	292762	2021016600679297	ANJALI DILIP LANGDE	--
173	292763	2021016600706764	ANJALI NANESHWAR LODHIKAR	--
174	292765	2021016600534487	ANUSHKA GANESH RAMAPURE	--
175	292766	2021016600715094	ARTI SUBHASH JOSHI	--
176	292768	2021016600707133	AYESHA ASHFAQUE SIDDIQUI	--
177	292770	2021016600470501	DISHA SUNIL TAKALKHEDE	--
178	292771	2021016600535266	DIVYANKA MANOJ RAUT	--
179	292772	2021016600485582	DIVYASHRI SURENDRA GAJBHIYE	--
180	292776	2021016600479314	GAYATRI VINOD KAWALE	--
181	292777	2021016600659246	HARSHU CHANDU MAKODE	--

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Exam Name : FOURTH SEMESTER BACHELOR OF SCIENCE (B.SC.)
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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
182	292778	2021016600484837	JANHVI DHIRENDRA KAYARKAR	--
183	292779	2021016600479353	JANVI SUBHASH KENE	--
184	292780	2021016600535251	JAYSHREE PRAKASH YADAV	--
185	292781	2021016600659285	JYOTI DHANRAJ CHAUHAN	--
186	292783	2021016600707156	KHUSHI MANOJ MISAR	--
187	292785	2021016600473097	KHUSHI SHASHIKANT BARAMATE	--
188	292789	2021016600681064	KRUTIKA NIRAJ THAKRE	--
189	292793	2021016600724402	MRUNAL RAJESH KHEDKAR	--
190	292794	2021016600661253	MRUNALI ROSHAN MESHRAM	--
191	292797	2021016600458191	NIDHI SHAILESH BAWANGADE	--
192	292798	2021016600507556	NIDHI VISHNUJI KHAMBALKAR	--
193	292799	2021016600487283	NIKHITA RAVIKANT MESHRAM	--
194	292800	2021016600721381	NIKITA SITARAM MASRAM	--
195	292802	2021016600666505	NUPUL MAHENDRA SONTAKKE	--
196	292803	2021016600664321	PALAK SATISH PAROCHE	--
197	292804	2021016600679316	PARMITA SIDDHARTH DESHBHRATAR	--
198	292806	2021016600666513	PRANALI DIWAKAR DANDEKAR	--
199	292807	2021016600669353	PRATIKSHA BABAN DANGE	--
200	292808	2021016600660192	PRATYUSHA PRASUN MAHORKAR	--
201	292813	2021016600678046	ROSHNI SHRIHARI MESHRAM	--
202	292814	2021016600470041	RUDHALI RAMESH PATIL	--
203	292815	2021016600473101	SAKSHI MOTIRAM LANJEWAR	--
204	292816	2021016600724433	SAKSHI PRAMOD DHAKATE	--
205	292821	2021016600491667	SANJIVANI SAGAR BHAGAT	--
206	292822	2021016600470331	SANSKRUTI RAJENDRA MARBATE	--
207	292823	2021016600716766	SANSKRUTI SANJAY KADU	--

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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
208	292825	2021016600455536	SHRADDHA SUNIL SANDEL	--
209	292827	2021016600535243	SHREYA NARENDRA DOKWAL	--
210	292830	2021016600681025	SHRUTI RAJENDRA BHIAGAT	--
211	292831	2021016600474464	SHRUTI SACHIN GAIKWAD	--
212	292832	2021016600480975	SHRUTI SUNIL SAMARTH	--
213	292833		SHUBHADA VIKAS KABULE	--
214	292835	2021016600515134	SONALI SURESH PATLE	--
215	292837	2021016600466557	STUTI GIRISH KAROTIYA	--
216	292839	2021016600669732	SWETA SANDEEP NAIDU	--
217	292845	2021016600515126	VAISHNAVI VIJAY DHADSE	--
218	292846	2021016600463822	VEDANTI PRAMOD DOBLE	--
219	292848	2021016600670406	YOGESHREE DINESH BARAI	--
220	292849	2021016600461533	YUNAKSHI PRABHAKAR KAROKAR	--
221	292850	2021016600669337	ABHINAV BHUPENDRA KUKDE	--
222	292852	2021016600516853	ADITYA RAJESH SELOKAR	--
223	292853	2021016600458233	AGILESH JAYARAMAN IYAR	--
224	292854	2021016600475131	ANIKET PURUSHOTTAMN BARAPATRE	--
225	292855	2021016600668887	ANSHUL LAXMAN KHOT	--
226	292858	2021016600471512	ATHARV RAMBHAU AMBEKAR	--
227	292862	2021016600659277	DARSHAN VIJAY DARVEKAR	--
228	292863	2021016600670387	DEEPAK UMESH VISHWAKARMA	--
229	292864	2021016600483617	DEVENDRA GAJANAN JAIPURKAR	--
230	292865	2021016600663453	DIKSHANT PRASHANT WASNIK	--
231	292866	2021016600524125	GAURAV SHEKHAR KUMARE	--
232	292868	2021016600471083	HARSHAL BHOIRAJ RANGARI	--
233	292869	2021016600458392	HIMANSHU DILIP RAMTEKE	--

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 Department of Mathematics
 Science College, City of Nagpur,
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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
234	292871	2021016600663097	JAYANT JAGDISH HALDAR	--
235	292872	2021016600659293	KASHISH MUNESHWAR BAWANGADE	--
236	292873	2021016600666471	KRUNAL GAJANAN BHAGAT	--
237	292874	2021016600474495	LOKESH SHRINIWAS PATEL	--
238	292875	2021016600470571	MAYUR RAGHVENDRA BANSHPAL	--
239	292880	2021016600724417	PIYUSH MANOHARRAO UKINKAR	--
240	292881	2021016600678321	PRANAV RAMBHAU BAGADE	--
241	292884	2021016600716743	PRIYANSH BABURAO KOICHE	--
242	292886	2021016600668906	RAGHAV MOHAN PANDEY	--
243	292888	2021016600466565	RAJAT BRIJLAL TIWARI	--
244	292889	20201010012967	RAVI RANJAN KUMAR	--
245	292890	2021016600664657	RUSHIKESH SATISHRAO TAMBUSKAR	--
246	292891	2021016600681033	RUSHIKESH SHUBHAKAR WASE	--
247	292892	2021016600487291	SARANG VILAS WAGH	--
248	292893	2021016600675342	SARVESH LILADHAR NAGARDHANKAR	--
249	292894	2021016600470064	SAUMYA FULSING UPRADE	--
250	292895	2021016600712811	SAURAV UTTAM CHAPLE	--
251	292896	2021016600661276	SHREYASH MAHADEO LAKDE	--
252	292897	2021016600481955	SHRIHARI AJAY SAMARTH	--
253	292898	2021016600515165	SHRINAY YOGESH BHIWGADE	--
254	292899	20211010021263	SHUBHAM RAJENDRA SATHAWANE	--
255	292902	2021016600481971	SUJAN AJAY NANDAGAWALI	--
256	292904	2021016600663693	SWETH ARJUN PIMPALKAR	--
257	292906	2021016600487333	VIKRANT DEVENDRA SIRSAT	--
258	292907	2021016600470056	VINKU MANIK MOUNDEKAR	--
259	292909	2021016600515993	YASH ARVIND SONPIMPALE	--

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 Department of Mathematics
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Exam Name : SIXTH SEMESTER BACHELOR OF SCIENCE (B.SC.)
Subject Name : MATHEMATICS (PAPER I)
College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE
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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
1	306938	20210166004782	AASTHA SANJU JADHAV	15
2	306941	20210166006780	AKANKSHA KUMESHWAR KIRPAN	15
3	306943	20210166004711	AKANSHA SUBHASH SANGOLE	15
4	306944	20210166004848	AKSHATA SUNIL JADHAV	15
5	306945	20210166004573	AKSHAYA RAMESH IYER	15
6	306948	20210166004582	AMISHA ASHISH RAJABHOJ	15
7	306949	20210166004685	AMISHA SITARAM BILKAR	15
8	306950	20210166004916	ANCHAL NINAD SUR	15
9	306954	20210166006792	ANJALI DILIP LANGDE	15
10	306955	20210166007067	ANJALI NANESHWAR LODHIKAR	15
11	306956	20210166004565	ANJALI PRAKASH JAISWAL	15
12	306961	20210166004954	ARPITA SANDIP CHIDE	15
13	306962	20210166007150	ARTI SUBHASH JOSHI	15
14	306963	20210166006630	ARYA GAJANAN KADU	15
15	306966	20210166006634	ASTHA GAJANAN KADU	15
16	306968	20210166004632	AVANTI VIJAY ADHAU	15
17	306969	20210166007071	AYESHA ASHFAQUE SIDDIQUI	15
18	306972	20210166004819	CHAITRALI GANESHRAO SHENDE	15
19	306979	20210166006656	DHRUVIKA OMPRAKASH GOTMARE	15
20	306981	20210166004705	DISHA SUNIL TAKALKHEDE	15
21	306982	20210166007030	DISHA VIJAY RAUT	15
22	306989	20210166005352	DIVYANKA MANOJ RAUT	15
23	306990	20210166004855	DIVYASHRI SURENDRA GAJBHIYE	15
24	306993	20210166006664	EKTA DWARKA SANT	15
25	306997	20210166006615	GARGI DILIP JAUNJAL	15
26	306998	20210166006753	GARGI VINAYAK POPERE	15



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RASHTRASAT TUKADOJI MAHARAJ NAGPUR UNIVERSITY,
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Internal Marks Sheet

Exam Name : SIXTH SEMESTER BACHELOR OF SCIENCE (B.SC.)
Subject Name : MATHEMATICS (PAPER I)
College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE
Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
27	306999	20210166006703	GAURI MUKESH ZADE	15
28	307001	20210166004793	GAYATRI VINOD KAWALE	15
29	307002	20210166006713	GEETANJALI PRAKASH JATGADE	15
30	307004	20210166006625	GOURI ASHOK DOIFODE	15
31	307006	20210166004809	GUNJAN VIKAS MOURYA	15
32	307008	20210166004555	HARSHITA SANDEEP VARADE	15
33	307009	20210166006592	HARSHU CHANDU MAKODE	15
34	307013	20210166004705	ISHA DIPAKKUMAR CHAUDHARI	15
35	307014	20210166004568	ISHIKA SUNIL NAIK	15
36	307015	20210166006616	ISHITA SANTOSH SHRIVASTAVA	15
37	307017	20210166006601	JANHAVI PANKAJ DIWAKAR	15
38	307019	20210166004848	JANHVI DHIRENDRA KAYARKAR	15
39	307021	20210166004793	JANVI SUBHASH KENE	15
40	307022	20210166005352	JAYSHREE PRAKASH YADAV	15
41	307025	20210166006592	JYOTI DHANRAJ CHAUHAN	15
42	307026	20210166004711	KALYANI MOTILAL NAGAPURE	15
43	307031	20210166007071	KHUSHI MANOJ MISAR	15
44	307032	20210166004615	KHUSHI RAHUL AGLAWE	15
45	307034	20210166004565	KHUSHI SANJAY KANOJE	15
46	307035	20210166004730	KHUSHI SHASHIKANT BARAMATE	15
47	307040	20210166004592	KIRAN SHANTA RAO	15
48	307045	20210166006810	KRUTIKA NIRAJ THAKRE	15
49	307046	20210166006646	KRUTIKA SUBODH CHANDORKAR	15
50	307051	20210166004772	MADHURA MILIND PATHAK	15
51	307053	20210166005159	MAHEK PRAMOD MISHRA	15
52	307055	20210166006625	MANSI DHONDU NANDANWAR	15



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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
53	307057	20210166007030	MANYA GANESH PIMPLE	15
54	307061	20210166007051	MOHINI BHASKAR BHUTE	15
55	307063	20210166007244	MRUNAL RAJESH KHEDKAR	15
56	307064	20210166006612	MRUNALI ROSHAN MESHAM	15
57	307066	20210166006616	MUNESH RAVINDRASINGH CHAUDHARY	15
58	307068	20210166004711	MUSKAN PRAKASH KHAPRE	15
59	307069	20210166006673	MUSKAN VINAY PATHAK	15
60	307070	20210166006630	NANDINI ANILSINGH PASI	15
61	307076	20210166004581	NIDHI SHAILESH BAWANGADE	15
62	307077	20210166005075	NIDHI VISHNUJI KHAMBALKAR	15
63	307078	20210166006713	NIHARIKA MAHESH AMBEKAR	15
64	307079	20210166004872	NIKHITA RAVIKANT MESHAM	15
65	307080	20210166007213	NIKITA SITARAM MASRAM	15
66	307082	20210166006665	NUPUL MAHENDRA SONTAKKE	15
67	307083	20210166004584	OSHEEN DARSHAN ARORA	15
68	307084	20210166006643	PALAK SATISH PAROCHE	15
69	307085	20210166006634	PARI GAJANAN BALAPURE	15
70	307086	20210166006793	PARMITA SIDDHARTH DESHBHRATAR	15
71	307092	20210166007243	PRADNYA CHANDRAKANTJI DAF	15
72	307094	20210166004572	PRANALI SHAILENDRA PORCHATTIWA	15
73	307096	20210166004557	PRANJAL VIJAY AGARKAR	15
74	307098	20210166006693	PRATIKSHA BABAN DANGE	15
75	307101	20210166006615	PRIYA KUMARI DEONATH PRASAD	15
76	307102	20210166004592	PRIYANKA MURARIPRASAD KHARWAR	15
77	307113	20210166004556	RIDDHI CHANDRASHEKHAR KOHAD	15
78	307115	20210166007051	RITIKA VISHNU BALODIYA	15



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Signature of Examiner

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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
79	307116	20210166004555	RIYA RAJESH KUMAR SINGH	15
80	307117	20210166006780	ROSHNI SHRIHARI MESHRAM	15
81	307118	20210166006731	RUCHI MEENA	15
82	307119	20210166004700	RUDHALI RAMESH PATIL	15
83	307123	20210166004564	SAKSHI MANGESH RAUT	15
84	307124	20210166004731	SAKSHI MOTIRAM LANJEWAR	15
85	307126	20210166007244	SAKSHI PRAMOD DHAKATE	15
86	307132	20210166004568	SAKSHI VIJAYKANT DUBEY	15
87	307135	20210166007182	SAMIKSHA NAJUKRAM RADKE	15
88	307137	20210166004565	SANIYA KAILASH BORKAR	15
89	307138	20210166004556	SANJANA MILIND GHATOLE	15
90	307140	20210166004916	SANJIVANI SAGAR BHAGAT	15
91	307141	20210166004703	SANSKRUTI RAJENDRA MARBATE	15
92	307142	20210166007167	SANSKRUTI SANJAY KADU	15
93	307144	20210166006634	SAPNA JAIKRISHNA YADAV	15
94	307146	20210166006625	SEJAL VIVEK SURUSE	15
95	307152	20210166004583	SHRADDHA BABAN BAGDE	15
96	307153	20210166004555	SHRADDHA SUNIL SANDEL	15
97	307158	20210166005352	SHREYA NARENDRA DOKWAL	15
98	307163	20210166006810	SHRUTI RAJENDRA BHAGAT	15
99	307164	20210166004744	SHRUTI SACHIN GAIKWAD	15
100	307166	20210166004809	SHRUTI SUNIL SAMARTH	15
101	307168	-	SHUBHADA VIKAS KABULE	15
102	307169	20210166007150	SHWETA SUNIL CHARPE	15
103	307170	20210166007167	SNEHA RANJAY KUMAR SHARMA	15
104	307172	20210166005151	SONALI SURESH PATLE	15



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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
105	307176	20210166004615	SRUSHTI SUBHASH KARKI	15
106	307177	20210166004665	STUTI GIRISH KAROTIYA	15
107	307179	20210166004793	SWATI FATTU DHABEKAR	15
108	307180	20210166004731	SWATI PURUSHOTTAM KHOTELE	15
109	307182	20210166006697	SWETA SANDEEP NAIDU	15
110	307187	20210166006598	TANUJA KISHOR SHINDE	15
111	307188	20210166007051	TANUSHKA ANAND KADU	15
112	307190	20210166007182	TANVI HIRENDRA RAUT	15
113	307194	20210166006592	TRUPTI ASHOK MONDHE	15
114	307199	20210166004665	VAIDEHI SUNIL JIBHAKATE	15
115	307201	20210166007071	VAISHNAVI DINESH DABARE	15
116	307205	20210166005151	VAISHNAVI VIJAY DHADSE	15
117	307207	20210166004638	VEDANTI PRAMOD DOBLE	15
118	307208	20210166006653	VISHAKA MANGHANLAL KHIANI	15
119	307211	20210166006704	YOGESHREE DINESH BARAI	15
120	307217	20191011315276	ABHISHEK SHRIKANT NANOTY	15
121	307219	20210166005168	ADITYA RAJESH SELOKAR	15
122	307220	20210166004582	AGILESH JAYARAMAN IYAR	15
123	307221	20210166004751	ANIKET PURUSHOTTAMN BARAPATRE	15
124	307222	20210166006688	ANSHUL LAXMAN KHOT	15
125	307225	20210166004793	ARYAN RAJENDRA DHUNDALE	15
126	307229	20210166004793	BHAVESH RAMESHWAR KADWE	15
127	307230	20210166004954	BHUSHAN PRAKASH MOURYA	15
128	307232	20210166006592	DARSHAN VIJAY DARVEKAR	15
129	307233	20210166004836	DEVENDRA GAJANAN JAIPURKAR	15
130	307236	20210166006634	DIKSHANT PRASHANT WASNIK	15



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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
131	307238	20210166005241	GAURAV SHEKHAR KUMARE	15
132	307241	20210166006812	HARSHAL ASHOK MEHAR	15
133	307242	20210166004710	HARSHAL BHOJRAJ RANGARI	15
134	307243	20210166004583	HIMANSHU DILIP RAMTEKE	15
135	307245	20210166004584	JAY MADHUKAR SHENDE	15
136	307246	20210166004809	JAY SHRIHARI DAILKAR	15
137	307247	20210166006630	JAYANT JAGDISH HALDAR	15
138	307248	20210166006592	KASHISH MUNESHWAR BAWANGADE	15
139	307250	20210166006664	KRUNAL GAJANAN BHAGAT	15
140	307251	20210166004744	LOKESH SHRINIWAS PATEL	15
141	307252	20210166004705	MANASVI DILIP DANGE	15
142	307253	20210166004705	MAYUR RAGHVENDRA BANSHPAL	15
143	307254	20210166004731	MOHIT PRABHAKAR BHAKTE	15
144	307255	20210166006783	NIKHIL MILIND BANSOD	15
145	307256	20210166006776	NISHANT DEEPAK BHURE	15
146	307257	20210166006783	NISHANT DUSHYANT MESHRAM	15
147	307258	20210166004632	OM PRASANNA DORLE	15
148	307262	20210166004711	PARTH SANJAY VIRKHARE	15
149	307263	20210166004740	PRANAV BHUPESH LAKHE	15
150	307264	20210166006783	PRANAV RAMBHAU BAGADE	15
151	307268	20210166004584	PRATHAM SANJIV SHRIVAS	15
152	307269	20210166004836	PRATHMESH DINESH GUMGAONKAR	15
153	307270	20210166007167	PRIYANSH BABURAO KOICHE	15
154	307271	20210166004728	PRIYANSHU GYANENDRA ATTRI	15
155	307274	20210166006689	RAGHAV MOHAN PANDEY	15
156	307277	20210166004665	RAJAT BRIJLAL TIWARI	15



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RASHTRASAT TUKADOJI MAHARAJ NAGPUR UNIVERSITY,
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Internal Marks Sheet

Exam Name : SIXTH SEMESTER BACHELOR OF SCIENCE (B.SC.)
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College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE
Session : SUMMER-2024

Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
157	307278	20201010012967	RAVI RANJAN KUMAR	15
158	307279	20210166005120	ROHAN KAILASH NIMJE	15
159	307280	20210166004745	ROHAN VITTHAL MAHAJAN	15
160	307281	20210166004582	ROMIT RAJAT CHAUDHURY	15
161	307282	20210166004557	RUGVED DINESH JOSHI	15
162	307283	20210166006646	RUSHIKESH SATISHRAO TAMBUSKAR	15
163	307284	20210166006810	RUSHIKESH SHUBHAKAR WASE	15
164	307285	20210166006753	SANCHIT CHANDRASHEKHAR WAKDE	15
165	307291	20210166004872	SARANG VILAS WAGH	15
166	307292	20210166006697	SARTHAK ARUNRAO NARWADE	15
167	307293	20210166004700	SAUMYA FULSING UPRADE	15
168	307294	20210166007080	SAURABH RAMESH BHURE	15
169	307295	20210166007128	SAURAV UTTAM CHAPLE	15
170	307297	20210166006612	SHREYASH MAHADEO LAKDE	15
171	307298	20210166005151	SHRINAY YOGESH BHIWGADE	15
172	307299	20210166005075	SHRIVATSA PRASHANT PITALE	15
173	307300	20211010021263	SHUBHAM RAJENDRA SATHAWANE	15
174	307304	20210166005344	SUDHANSHU RAVINDRA SAKHARE	15
175	307305	20210166004819	SUJAN AJAY NANDAGAWALI	15
176	307307	20210166006636	SWETH ARJUN PIMPALKAR	15
177	307308	20210166006648	TANMAY KOMAL KARANJEKAR	15
178	307309	20210166004615	TANMAY PRAMOD NAGRALE	15
179	307311	20210166007244	VARUN DOLATRAM MOTWANI	15
180	307312	20210166004751	VIDHAN RAJESH HEDAOO	15
181	307313	20210166004873	VIKRANT DEVENDRA SIRSAT	15
182	307314	20210166004700	VINKU MANIK MOUNDEKAR	15



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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
183	307315	20210166006674	VIPUL DIPAK SANGITRAO	15
184	307317	20210166005159	YASH ARVIND SONPIMPALE	15
185	307320	20210166005075	YASHWANT RAJU PAUNIKAR	15
186	307331	20211010020886	DIKSHA SANJAY WANKHEDE	15
187	307335	20211010020925	JYOTI RAJESH VISHWAKARMA	15
188	307336	20211010020926	JYOTI RAMESH LANJEWAR	15
189	307337	20211010020927	KALYANI MANOJ RAMTEKE	15
190	307338	20211010020935	KETKI SHIVDAS UPASE	15
191	307343	20211010020993	NIKITA MANOJ SABALE	15
192	307353	20211010021051	RUPALI RAJU DURGE	15
193	307357	20211010021075	SAMRUDHI SANJAY PADMAWAR	15
194	307359	20211010021081	SAYALI PRASHANT KHANKE	15
195	307361	20211010021093	SHRADDHA RAJKUMAR SALVE	15
196	307365	20173011314502	UTKARSHA SUNIL GODGHATE	15
197	307368	20211010021163	YOGINI PRAMOD MUDE	15
198	307371	20181000935292	ADARSH ATUL TINGURIA	15
199	307372	20211010021176	ANIKET PARSHURAM GADGE	15
200	307373	20211010021180	ARPIT GANESH ROKADE	15
201	307374	20211010021182	ARYAN SANDEEP PATIL	15
202	307375	20211010021189	BHUSHAN KISAN ZOMBADE	15
203	307376	20211010021193	DNYANESH JAYANT PIMPARKAR	15
204	307377	20193082915815	HARSHAD SHAMSUNDAR GIRATKAR	15
205	307378	20211010021198	HARSHAL VINOD WADIVE	15
206	307383	20211010021218	NIRAJ BHALCHANDRA SELOKAR	15
207	307384	20211010021219	NISHANT UMRAO KALE	15
208	307385	20211010021223	PIYUSH PUNDALIK MADAVI	15



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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max
209	307386	20211010021243	ROHAN RAMBHAU BANSOD	15
210	307388	20191008827108	SANKET ARJUN SHENDE	15
211	307390	20211010021270	TANISHQ ARVIND KORDE	15
212	307391	20211010021271	TANMAY PRADIP MASKE	15
213	307392	20211010021272	TANMAY VIJAY BOMLE	15

Print Date & Time: 18-05-2024 01-28-48 PM



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RASHTRASAT TUKADOJI MAHARAJ NAGPUR UNIVERSITY,
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Internal Marks Sheet

Exam Name : SIXTH SEMESTER BACHELOR OF SCIENCE (B.SC.)

Subject Name : MATHEMATICS (PAPER II)

College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE

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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
1	306938	20210166004782	AASTHA SANJU JADHAV	15
2	306941	20210166006780	AKANKSHA KUMESHWAR KIRPAN	15
3	306943	20210166004711	AKANSHA SUBHASH SANGOLE	15
4	306944	20210166004848	AKSHATA SUNIL JADHAV	15
5	306945	20210166004573	AKSHAYA RAMESH IYER	15
6	306948	20210166004582	AMISHA ASHISH RAJABHOJ	15
7	306949	20210166004685	AMISHA SITARAM BILKAR	15
8	306950	20210166004916	ANCHAL NINAD SUR	15
9	306954	20210166006792	ANJALI DILIP LANGDE	15
10	306955	20210166007067	ANJALI NANESHWAR LODHIKAR	15
11	306956	20210166004565	ANJALI PRAKASH JAISWAL	15
12	306961	20210166004954	ARPITA SANDIP CHIDE	15
13	306962	20210166007150	ARTI SUBHASH JOSHI	15
14	306963	20210166006630	ARYA GAJANAN KADU	15
15	306966	20210166006634	ASTHA GAJANAN KADU	15
16	306968	20210166004632	AVANTI VIJAY ADHAU	15
17	306969	20210166007071	AYESHA ASHFAQUE SIDDIQUI	15
18	306972	20210166004819	CHAITRALI GANESHRAO SHENDE	15
19	306979	20210166006656	DHRUVIKA OMPRAKASH GOTMARE	15
20	306981	20210166004705	DISHA SUNIL TAKALKHEDE	15
21	306982	20210166007030	DISHA VIJAY RAUT	15
22	306989	20210166005352	DIVYANKA MANOJ RAUT	15
23	306990	20210166004855	DIVYASHRI SURENDRA GAJBHIYE	15
24	306993	20210166006664	EKTA DWARKA SANT	15
25	306997	20210166006615	GARGI DILIP JAUNJAL	15
26	306998	20210166006753	GARGI VINAYAK POPERE	15



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27	306999	20210166006703	GAURI MUKESH ZADE	15
28	307001	20210166004793	GAYATRI VINOD KAWALE	15
29	307002	20210166006713	GEETANJALI PRAKASH JATGADE	15
30	307004	20210166006625	GOURI ASHOK DOIFODE	15
31	307006	20210166004809	GUNJAN VIKAS MOURYA	15
32	307008	20210166004555	HARSHITA SANDEEP VARADE	15
33	307009	20210166006592	HARSHU CHANDU MAKODE	15
34	307013	20210166004705	ISHA DIPAKKUMAR CHAUDHARI	15
35	307014	20210166004568	ISHIKA SUNIL NAIK	15
36	307015	20210166006616	ISHITA SANTOSH SHRIVASTAVA	15
37	307017	20210166006601	JANHAVI PANKAJ DIWAKAR	15
38	307019	20210166004848	JANHVI DHIRENDRA KAYARKAR	15
39	307021	20210166004793	JANVI SUBHASH KENE	15
40	307022	20210166005352	JAYSHREE PRAKASH YADAV	15
41	307025	20210166006592	JYOTI DHANRAJ CHAUHAN	15
42	307026	20210166004711	KALYANI MOTILAL NAGAPURE	15
43	307031	20210166007071	KHUSHI MANOJ MISAR	15
44	307032	20210166004615	KHUSHI RAHUL AGLAWE	15
45	307034	20210166004565	KHUSHI SANJAY KANOJE	15
46	307035	20210166004730	KHUSHI SHASHIKANT BARAMATE	15
47	307040	20210166004592	KIRAN SHANTA RAO	15
48	307045	20210166006810	KRUTIKA NIRAJ THAKRE	15
49	307046	20210166006646	KRUTIKA SUBODH CHANDORKAR	15
50	307051	20210166004772	MADHURA MILIND PATHAK	15
51	307053	20210166005159	MAHEK PRAMOD MISHRA	15
52	307055	20210166006625	MANSI DHONDU NANDANWAR	15



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53	307057	20210166007030	MANYA GANESH PIMPLE	15
54	307061	20210166007051	MOHINI BHASKAR BHUTE	15
55	307063	20210166007244	MRUNAL RAJESH KHEDKAR	15
56	307064	20210166006612	MRUNALI ROSHAN MESHAM	15
57	307066	20210166006616	MUNESH RAVINDRASINGH CHAUDHARY	15
58	307068	20210166004711	MUSKAN PRAKASH KHAPRE	15
59	307069	20210166006673	MUSKAN VINAY PATHAK	15
60	307070	20210166006630	NANDINI ANILSINGH PASI	15
61	307076	20210166004581	NIDHI SHAILESH BAWANGADE	15
62	307077	20210166005075	NIDHI VISHNUJI KHAMBALKAR	15
63	307078	20210166006713	NIHARIKA MAHESH AMBEKAR	15
64	307079	20210166004872	NIKHITA RAVIKANT MESHAM	15
65	307080	20210166007213	NIKITA SITARAM MASRAM	15
66	307082	20210166006665	NUPUL MAHENDRA SONTAKKE	15
67	307083	20210166004584	OSHEEN DARSHAN ARORA	15
68	307084	20210166006643	PALAK SATISH PAROCHE	15
69	307085	20210166006634	PARI GAJANAN BALAPURE	15
70	307086	20210166006793	PARMITA SIDDHARTH DESHBHRATAR	15
71	307092	20210166007243	PRADNYA CHANDRAKANTJI DAF	15
72	307094	20210166004572	PRANALI SHAILENDRA PORCHATTIWA	15
73	307096	20210166004557	PRANJAL VIJAY AGARKAR	15
74	307098	20210166006693	PRATIKSHA BABAN DANGE	15
75	307101	20210166006615	PRIYA KUMARI DEONATH PRASAD	15
76	307102	20210166004592	PRIYANKA MURARIPRASAD KHARWAR	15
77	307113	20210166004556	RIDDHI CHANDRASHEKHAR KOHAD	15
78	307115	20210166007051	RITIKA VISHNU BALODIYA	15



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College Name : (100) SHRI SHIVAJI SCIENCE COLLEGE
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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
79	307116	20210166004555	RIYA RAJESH KUMAR SINGH	15
80	307117	20210166006780	ROSHNI SHRIHARI MESHRAM	15
81	307118	20210166006731	RUCHI MEENA	15
82	307119	20210166004700	RUDHALI RAMESH PATIL	15
83	307123	20210166004564	SAKSHI MANGESH RAUT	15
84	307124	20210166004731	SAKSHI MOTIRAM LANJEWAR	15
85	307126	20210166007244	SAKSHI PRAMOD DHAKATE	15
86	307132	20210166004568	SAKSHI VIJAYKANT DUBEY	15
87	307135	20210166007182	SAMIKSHA NAJUKRAM RADKE	15
88	307137	20210166004565	SANIYA KAILASH BORKAR	15
89	307138	20210166004556	SANJANA MILIND GHATOLE	15
90	307140	20210166004916	SANJIVANI SAGAR BHAGAT	15
91	307141	20210166004703	SANSKRUTI RAJENDRA MARBATE	15
92	307142	20210166007167	SANSKRUTI SANJAY KADU	15
93	307144	20210166006634	SAPNA JAIKRISHNA YADAV	15
94	307146	20210166006625	SEJAL VIVEK SURUSE	15
95	307152	20210166004583	SHRADDHA BABAN BAGDE	15
96	307153	20210166004555	SHRADDHA SUNIL SANDEL	15
97	307158	20210166005352	SHREYA NARENDRA DOKWAL	15
98	307163	20210166006810	SHRUTI RAJENDRA BHAGAT	15
99	307164	20210166004744	SHRUTI SACHIN GAIKWAD	15
100	307166	20210166004809	SHRUTI SUNIL SAMARTH	15
101	307168	-	SHUBHADA VIKAS KABULE	15
102	307169	20210166007150	SHWETA SUNIL CHARPE	15
103	307170	20210166007167	SNEHA RANJAY KUMAR SHARMA	15
104	307172	20210166005151	SONALI SURESH PATLE	15



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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / M 15
105	307176	20210166004615	SRUSHTI SUBHASH KARKI	15
106	307177	20210166004665	STUTI GIRISH KAROTIYA	15
107	307179	20210166004793	SWATI FATTU DHABEKAR	15
108	307180	20210166004731	SWATI PURUSHOTTAM KHOTELE	15
109	307182	20210166006697	SWETA SANDEEP NAIDU	15
110	307187	20210166006598	TANUJA KISHOR SHINDE	15
111	307188	20210166007051	TANUSHKA ANAND KADU	15
112	307190	20210166007182	TANVI HIRENDRA RAUT	15
113	307194	20210166006592	TRUPTI ASHOK MONDHE	15
114	307199	20210166004665	VAIDEHI SUNIL JIBHAKATE	15
115	307201	20210166007071	VAISHNAVI DINESH DABARE	15
116	307205	20210166005151	VAISHNAVI VIJAY DHADSE	15
117	307207	20210166004638	VEDANTI PRAMOD DOBLE	15
118	307208	20210166006653	VISHAKA MANGHANLAL KHIANI	15
119	307211	20210166006704	YOGESHREE DINESH BARAI	15
120	307217	20191011315276	ABHISHEK SHRIKANT NANOTY	15
121	307219	20210166005168	ADITYA RAJESH SELOKAR	15
122	307220	20210166004582	AGILESH JAYARAMAN IYAR	15
123	307221	20210166004751	ANIKET PURUSHOTTAMN BARAPATRE	15
124	307222	20210166006688	ANSHUL LAXMAN KHOT	15
125	307225	20210166004793	ARYAN RAJENDRA DHUNDALE	15
126	307229	20210166004793	BHAVESH RAMESHWAR KADWE	15
127	307230	20210166004954	BHUSHAN PRAKASH MOURYA	15
128	307232	20210166006592	DARSHAN VIJAY DARVEKAR	15
129	307233	20210166004836	DEVENDRA GAJANAN JAIPURKAR	15
130	307236	20210166006634	DIKSHANT PRASHANT WAGNIK	15



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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
131	307238	20210166005241	GAURAV SHEKHAR KUMARE	15
132	307241	20210166006812	HARSHAL ASHOK MEHAR	15
133	307242	20210166004710	HARSHAL BHOJRAJ RANGARI	15
134	307243	20210166004583	HIMANSHU DILIP RAMTEKE	15
135	307245	20210166004584	JAY MADHUKAR SHENDE	15
136	307246	20210166004809	JAY SHRIHARI DAILKAR	15
137	307247	20210166006630	JAYANT JAGDISH HALDAR	15
138	307248	20210166006592	KASHISH MUNESHWAR BAWANGADE	15
139	307250	20210166006664	KRUNAL GAJANAN BHAGAT	15
140	307251	20210166004744	LOKESH SHRINIWAS PATEL	15
141	307252	20210166004705	MANASVI DILIP DANGE	15
142	307253	20210166004705	MAYUR RAGHVENDRA BANSHPAL	15
143	307254	20210166004731	MOHIT PRABHAKAR BHAKTE	15
144	307255	20210166006783	NIKHIL MILIND BANSOD	15
145	307256	20210166006776	NISHANT DEEPAK BHURE	15
146	307257	20210166006783	NISHANT DUSHYANT MESHRAM	15
147	307258	20210166004632	OM PRASANNA DORLE	15
148	307262	20210166004711	PARTH SANJAY VIRKHARE	15
149	307263	20210166004740	PRANAV BHUPESH LAKHE	15
150	307264	20210166006783	PRANAV RAMBHAU BAGADE	15
151	307268	20210166004584	PRATHAM SANJIV SHRIVAS	15
152	307269	20210166004836	PRATHMESH DINESH GUMGAONKAR	15
153	307270	20210166007167	PRIYANSH BABURAO KOICHE	15
154	307271	20210166004728	PRIYANSHU GYANENDRA ATTRI	15
155	307274	20210166006689	RAGHAV MOHAN PANDEY	15
156	307277	20210166004665	RAJAT BRIJLAL TIWARI	15



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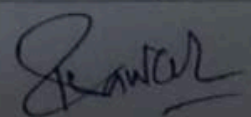
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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
157	307278	20201010012967	RAVI RANJAN KUMAR	15
158	307279	20210166005120	ROHAN KAILASH NIMJE	15
159	307280	20210166004745	ROHAN VITTHAL MAHAJAN	15
160	307281	20210166004582	ROMIT RAJAT CHAUDHURY	15
161	307282	20210166004557	RUGVED DINESH JOSHI	15
162	307283	20210166006646	RUSHIKESH SATISHRAO TAMBUSKAR	15
163	307284	20210166006810	RUSHIKESH SHUBHAKAR WASE	15
164	307285	20210166006753	SANCHIT CHANDRASHEKHAR WAKDE	15
165	307291	20210166004872	SARANG VILAS WAGH	15
166	307292	20210166006697	SARTHAK ARUNRAO NARWADE	15
167	307293	20210166004700	SAUMYA FULSING UPRADE	15
168	307294	20210166007080	SAURABH RAMESH BHURE	15
169	307295	20210166007128	SAURAV UTTAM CHAPLE	15
170	307297	20210166006612	SHREYASH MAHADEO LAKDE	15
171	307298	20210166005151	SHRINAY YOGESH BHIWGADE	15
172	307299	20210166005075	SHRIVATSA PRASHANT PITALE	15
173	307300	20211010021263	SHUBHAM RAJENDRA SATHAWANE	15
174	307304	20210166005344	SUDHANSHU RAVINDRA SAKHARE	15
175	307305	20210166004819	SUJAN AJAY NANDAGAWALI	15
176	307307	20210166006636	SWETH ARJUN PIMPALKAR	15
177	307308	20210166006648	TANMAY KOMAL KARANJEKAR	15
178	307309	20210166004615	TANMAY PRAMOD NAGRALE	15
179	307311	20210166007244	VARUN DOLATRAM MOTWANI	15
180	307312	20210166004751	VIDHAN RAJESH HEDAHO	15
181	307313	20210166004873	VIKRANT DEVENDRA SIRSAT	15
182	307314	20210166004700	VINKU MANIK MOUNDEKAR	15




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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
183	307315	20210166006674	VIPUL DIPAK SANGITRAO	15
184	307317	20210166005159	YASH ARVIND SONPIMPALE	15
185	307320	20210166005075	YASHWANT RAJU PAUNIKAR	15
186	307331	20211010020886	DIKSHA SANJAY WANKHEDE	15
187	307335	20211010020925	JYOTI RAJESH VISHWAKARMA	15
188	307336	20211010020926	JYOTI RAMESH LANJEWAR	15
189	307337	20211010020927	KALYANI MANOJ RAMTEKE	15
190	307338	20211010020935	KETKI SHIVDAS UPASE	15
191	307343	20211010020993	NIKITA MANOJ SABALE	15
192	307353	20211010021051	RUPALI RAJU DURGE	15
193	307357	20211010021075	SAMRUDHI SANJAY PADMAWAR	15
194	307359	20211010021081	SAYALI PRASHANT KHANKE	15
195	307361	20211010021093	SHRADDHA RAJKUMAR SALVE	15
196	307365	20173011314502	UTKARSHA SUNIL GODGHATE	15
197	307368	20211010021163	YOGINI PRAMOD MUDE	15
198	307371	20181000935292	ADARSH ATUL TINGURIA	15
199	307372	20211010021176	ANIKET PARSHURAM GADGE	15
200	307373	20211010021180	ARPIT GANESH ROKADE	15
201	307374	20211010021182	ARYAN SANDEEP PATIL	15
202	307375	20211010021189	BHUSHAN KISAN ZOMBADE	15
203	307376	20211010021193	DNYANESH JAYANT PIMPARKAR	15
204	307377	20193082915815	HARSHAD SHAMSUNDAR GIRATKAR	15
205	307378	20211010021198	HARSHAL VINOD WADIVE	15
206	307383	20211010021218	NIRAJ BHALCHANDRA SELOKAR	15
207	307384	20211010021219	NISHANT UMRAO KALE	15
208	307385	20211010021223	PIYUSH PUNDALIK MADDAVI	15



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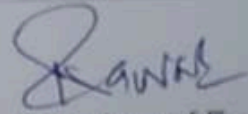
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Sr. No.	SEAT NO	ENROLLMENT NO	STUDENT NAME	Marks / Max 15
209	307386	20211010021243	ROHAN RAMBHAU BANSOD	15
210	307388	20191008827108	SANKET ARJUN SHENDE	15
211	307390	20211010021270	TANISHIQ ARVIND KORDE	15
212	307391	20211010021271	TANMAY PRADIP MASKE	15
213	307392	20211010021272	TANMAY VIJAY BOMLE	15

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