

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

BCA I Semester-I(2023-24)

Computer Fundamentals Paper-I

Result of Unit Test held on 2/9/2023 on Unit I and Unit II

Name of the teacher: Shrutika V. Lokhande

Sr. No.	Name	Marks out of 30 in Unit I-II
1	Aditi Nandkumar Vairale	22
2	Anushka Suraj Shende	28
3	Apeksha Jaydeo Manwatkar	AA
4	Anjali Ramkrushna Jogi	9
5	Arya Kishor Raut	AA
6	Chahat Ekleshsingh Thakur	24
7	Devashri Gopal Garade	21
8	Diya Prakash Thakre	15
9	Harshita Madan Suthar	AA
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113	Himanshu Rajkumar Somalwar	5
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115	Yash Prashant Bhajipale	11



Signature of the Teacher



**Head
Department of Computer Science**



Professor & Head
Department of Computer Science
S. S. E. S. Amra Science College,
Congress Nagar, Nagpur

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
Bachelor of Computer Application (B.C.A) (Semester-I)
Computer Fundamentals Paper-I
UNIT TEST on Unit I - II**

[Time: 45 min.]

[Maximum Marks: 30]

UNIT-I

QUE. 1. SOLVE ANY THREE QUESTIONS:

1. What is Bus? Explain Address and Data Bus in detail. 5
2. Draw block diagram of computer.Explain the function of each unit. 5
3. Do as directed: a) $(367)_{10}=(?)_2$ b) $(7AC)_{16}=(?)_{10}$ 5
4. Explain Compiler and Interpreter 5

UNIT-II

QUE. 1. SOLVE ANY THREE QUESTIONS:

1. Explain the following memory in brief: a)FLASH b)RAM 5
2. Explain the working of Blue ray and Zip disk. 5
3. What is Memory? Explain Static and Dynamic Memory. 5
4. Explain the structure and Working of Hard disk. 5



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.
BCA I Semester-I(2023-24)**

Computer Fundamentals Paper-I

Result of Unit Test held on 11/10/2023 on Unit III and Unit IV

Name of the teacher: Shrutika V. Lokhande

Sr. No.	Name	Marks out of 30 in Unit III-IV
1	Aditi Nandkumar Vairale	20
2	Anushka Suraj Shende	28
3	Apeksha Jaydeo Manwatkar	AA
4	Anjali Ramkrushna Jogi	9
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**Shri Shivaji Education Society Amravati's
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Academic Session 2023-2024
Bachelor of Computer Application (B.C.A) (Semester-I)
Computer Fundamentals Paper-I
UNIT TEST on Unit III - IV**

[Time: 45 min.]

[Maximum Marks: 30]

UNIT-III

QUE. 1. SOLVE ANY THREE QUESTIONS:

- | | |
|--|---|
| 1.What is Input device? Explain voice input and light pen. | 5 |
| 2.Write short notes on: a) OCR b) MICR | 5 |
| 3.Explain DOT Matrix and Laser Print. | 5 |
| 4.Explain VDU and Drum Plotters | 5 |

UNIT-IV

QUE. 1. SOLVE ANY THREE

- | | |
|--|---|
| 1.What is Topology ? Explain Tree and Mesh Topology. | 5 |
| 2. What is Network? Explain LAN and Wan in detail. | 5 |
| 3. Describe Peer to Peer and Client server network. | 5 |
| 4. Explain Infrared devices and Routers in detail. | 5 |



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.
BCA I Semester-I (2023-24)**

**Programming in C Language Paper-II
Result of Unit Test held on 20/10/2023 on
Unit I and Unit II**

Name of the Teacher:-P.T. Lakhmapure

Sr. No.	Name	Marks out of 30
1	ADITI NANDKUMAR VAIRALE	21
2	ANUSHKA SURAJ SHENDE	24
3	APEKSHA JAYDEO MANWATKAR	27
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113	himanshu rajkumar somalwar	9
114	nishant dhanraj nandanwar	18
115	yash prashant bhajipale	9

Pakhmapure

Signature of the Teacher

[Handwritten Signature]

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**Shri Shivaji Education Society Amravati's
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Academic Session 2023-2024
Bachelor of Computer Application (B.C.A) (Semester-II)
Programming in C Programming Paper-II
UNIT TEST on Unit I- II**

[Time: 45 min.]

[Maximum Marks: 30]

UNIT-I

QUE. 1. SOLVE ANY THREE

1. What is flowchart? Draw a flowchart to print even and odd number. 5
2. What is an algorithm? Write an algorithm for summation of 20 even numbers. 5
3. Explain the following terms :
 - (i) Sequence
 - (ii) Selection
 - (iii) Iteration. 5
4. Write an algorithm for finding whether a number is prime number. 5

UNIT-II

QUE. 1. SOLVE ANY THREE

1. What is looping? Explain "while loop" in detail with syntax and example. 5
2. Explain different operators supported by C-language. 5
3. Write a program to find the roots of a quadratic equation. 5
4. Explain the different data types in 'C' with byte length. 5



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

BCA I Semester-I (2023-24)

C Programming Paper-II

Result of Unit Test held on 03/11/2023 on

Unit III and Unit IV

Name of the teacher: P. T. Lakhmapure

Sr. No.	Name	Marks out of 30
1	ADITI NANDKUMAR VAIRALE	21
2	ANUSHKA SURAJ SHENDE	24
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93	PRAJWAL PRADIP GIRI	8
94	Parth Naresh Suryawanshi	9
95	RITIK KAILASH GIREPUNJE	18
96	RITIK UTTAM BHAUTIK	9
97	ROHAN MADHUKAR CHAUDHARI	14
98	ROMANCH RAMESH KOLHE	21
99	RUPESH MANOJKUMAR TIRPUDE	28
100	Rushabh Santosh Gaur	10
101	SAHIL SANTOSH BOHANE	21
102	SAKSHANT GANESH GHUGULKAR	14
103	SUJAY JAYPRAKASH SWAN	22
104	Sahil Shrikant Wankhede	12
105	Sangam Kailash Patle	21
106	Shubham Suraj Kausale	24
107	Siddhant Suresh Khairkar	27
108	Vinay Kamalsingh Raghuvanshi	9
109	YASH ANIL PATIL	15
110	YASH MANOJ DAHAKE	4

111	YASH UMESH YADAV	8
112	YOG TULSIDAS RAHANGDALE	9
113	himanshu rajkumar somalwar	12
114	nishant dhanraj nandanwar	21
115	yash prashant bhajipale	AB

Palkhmapure

[Signature]

Signature of the Teacher

**Head
Department of Computer Science**



Professor & Head
Department of Computer Science
S.S.E.S. Am's Science College,
Congress Nagar, Nagpur

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
Bachelor of Computer Application (B.C.A) (Semester-I)
C Programming Paper-II
UNIT TEST on Unit III- IV**

[Time: 45 MIN]

[Maximum Marks: 30]

UNIT-III

QUE. 1. SOLVE ANY THREE

1. Define array. Write a program in 'C' to delete an element from one dimensional array at a given position. 5
2. Write any five string manipulation functions provided by 'C' language? Explain with suitable example 5.
3. Write a program in 'C' to illustrate function with:
No argument and no return value. 5
4. What is storage class? Explain various storage classes with suitable examples. 5

UNIT-IV

QUE. 2. SOLVE ANY THREE

1. Give the difference between structure and union. 5
2. How will you declare pointer to pointer? Write a 'C' program to read two integers and determine 5
3. What is file? Describe various modes to open a file with suitable examples. 5
4. Differentiate between sequential and random access. 5



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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.
BCA I Semester-I (2023-24)
STATISTICAL METHODS Paper-III
Result of Unit Test held on 20/09/2023 on Unit I and UNIT
II**

Name of the teacher: A.A.Gohad

Sr. No.	Name	Marks out of 30
1	ADITI NANDKUMAR VAIRALE	16
2	ANUSHKA SURAJ SHENDE	24
3	APEKSHA JAYDEO MANWATKAR	AB
4	ANJALI RAMKRUSHNA JOGI	19
5	ARYA KISHOR RAUT	AB
6	CHAHAT EKLESHSINGH THAKUR	24
7	DEVASHRI GOPAL GARADE	21
8	DIYA PRAKASH THAKRE	AB
9	HARSHITA MADAN SUTHAR	16
10	HARSHIKA AJESH GUPTA	28
11	HRUTUJA SANDIP DHOBLE	16
12	ISHA YOGENDRA SINGH	11
13	JANHVI PRASHANTRAO MEDPILWAR	21
14	JAGRUTI KAILAS WARKADE	16
15	JANHAVI NARENDRA DUKE	27
16	JUHI RAJENDRA TALHAR	19
17	KAJOL DILIPKUMAR PATLE	21
18	KANAKSHRI PRAVIN TEMBHEKAR	10
19	KASAK SUNIL KAMDI	22
20	KALYANI MADHUKAR NAKHATE	15
21	KHUSHALI SANJIVKUMAR BHAGAT	AB
22	KIRTEE RUPKUMAR YEDE	8
23	MAHI HARISH BATRA	25

24	MANJIRI RAJENDRA KALE	AB
25	MAYURI RAMESH AKKEWAR	29
26	MAITHILI SANDEEP PANCHABHAI	19
27	MOHINI SATISH LANDE	28
28	NANDINI RAMESHWAR HEDAOO	7
29	NATASHA SANTOSH DEVLEKAR	7
30	NISHITA ASHUTOSH PANDEY	16
31	NANDINI NIRMESH PRAJAPATI	24
32	NEHA KISHOR MATE	5
33	NISHA ARJUN GAJABE	12
34	OJASVI SURESH KHOPE	29
35	PALAK SACHIN DHOMNE	AB
36	PAYAL DILIP BHAMBHOLE	AB
37	PRITI KALMESHWAR RAMTEKE	26
38	PRIYA NARESH TIWARI	11
39	POURNIMA SHANKAR CHOUKHE	8
40	PRANALI MOHAN MAHURE	20
41	PRATIKSHA ARUN BRAMHANKAR	AB
42	RIYA TARUN KUMAR DAS	AB
43	ROHINI MADHORA SHAHARE	AB
44	RUTUJA LAXMANJI SOMKUWAR	9
45	RANI BABLU SATPUTE	AB
46	RAVINA RAJU ATRAHE	AB
47	RITIKA KASHIRAM TURKAR	7
48	RUTIKA DHANANJAY CHAVAN	28
49	SAKSHI RAJENDRA GONDANE	30
50	SAKSHI SUNIL PATIL	29
51	SALONI RAJESH ZADE	18
52	SALONI SANJAY TALEWALE	25
53	SANCHITA PRADEEP GODGHATE	AB
54	SANIYA PARIMAL BALA	29

55	SHIVANI LAXMIKANT RAWAT	AB
56	SHREYA CHANDRAKIRTI MESHARAM	AB
57	SRUSHTI PURUSHOTTAM VAIDYA	AB
58	SWATI DIGAMBAR BISEN	13
59	SHRAWANI KIRAN RAJGURE	18
60	SURBHI SHARAD BHIWGADE	15
61	TANMAYI NITIN DHABEKAR	28
62	TRUPTI ASHOK SARVE	11
63	VAISHNAVI RAJENDRA CHARDE	9
64	VISHAKHA SATISH TAJNE	30
65	ADITYA PRASHANT JODH	AB
66	AMAN SATISH MANKAR	AB
67	AMIT DEVENDRA LAMSE	AB
68	ANKUSH SHANKAR KANOJIYA	11
69	ATUL KUMAR SACHIDANAND SINGH	22
70	AYUR KHUMENDRA MENDHE	22
71	ANIKET SATISHRAO JAKKANWAR	AB
72	BHAVESH PRAMOD MANKAR	20
73	CHETAN MURLIDHAR ZADE	AB
74	DEVESH GHANSHAM SAHARE	AB
75	DHIRAJ GIRIDHAR BUDDHE	AB
76	DIVYANSHU SANJAY DOHALE	14
77	HARSHAL SHIVDAS WASNIK	AB
78	HEMANG TULSHIDAS DIWATHE	9
79	HIMANSHU RAMESH ADE	AB
80	JATIN GOKULDAS NAWALE	29
81	JOYDEEP PRAVIR SHAHA	5
82	KARTIK SANJAY INGALE	AB
83	KRISH GAJANAN HARGUDE	AB
84	KRISHNA JITENDRA YELNE	AB
85	KUNAL JAIPAL NARWAS	AB

86	KUNAL TAMESHWAR SELOKAR	18
87	LOKESH VIJAYRAO WERULKAR	AB
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109	YASH ANIL PATIL	9
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Signature of the teacher

[Signature]

Head of the Department



Professor & Head
Department of Computer Science
S. S. E. S. Am's Science College,
Congress Nagar, Nagpur

[Time: 45 min.]

[Maximum Marks: 30]

UNIT-I

QUE. 1. SOLVE ANY THREE

1. Explain various types of classifications. 5
2. What is secondary data ? How does it differ from primary data ? 5
3. Define Statistics and discuss the cause of distrust of Statistics. 5
4. Explain the different methods of collecting primary data. 5

UNIT-II

QUE. 1. SOLVE ANY THREE

1. Explain Histogram. Draw a histogram for the data given below : 5

Marks	0-4	4-8	8-12	12-16	16-20
No. of students	4	6	10	8	4

2. What are the different measures of central tendency ? Explain. 5
3. The average salary of male employees in a firm was Rs. 5,200 and that of females was Rs. 4,200. The mean salary of all the employees was Rs. 5,000. Find the percentage of male and female employees. 5
4. Obtain the median for the following frequency distribution : 5

X	1	2	3	4	5	6	7	8	9
Y	8	10	11	16	14	15	19	20	12

Agohad

Signature of the teacher

[Signature]

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Congress Nagar, Nagpur

**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.
BCA I Semester-I (2023-24)
STATISTICAL METHODS - PAPER III
Result of Unit Test held on 9/11/2024 on
Unit III and UNIT IV**

Name of the teacher: A.A.Gohad

Sr. No.	Name	Marks out of 30
1	ADITI NANDKUMAR VAIRALE	7
2	ANUSHKA SURAJ SHENDE	24
3	APEKSHA JAYDEO MANWATKAR	26
4	ANJALI RAMKRUSHNA JOGI	23
5	ARYA KISHOR RAUT	9
6	CHAHAT EKLESHSINGH THAKUR	10
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25	MAYURI RAMESH AKKEWAR	7
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105	SANGAM KAILASH PATLE	9
106	SHUBHAM SURAJ KAUSALE	10
107	SIDDHANT SURESH KHAIRKAR	25
108	VINAY KAMALSINGH RAGHUWANSHI	15
109	YASH ANIL PATIL	13
110	YASH MANOJ DAHAKE	12

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Signature of the teacher



[Handwritten Signature]

Head of the Department

Professor & Head
Department of Computer Science
S.S.E.S. Ami's Science College,
Congress Nagar, Nagpur

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2022-2023
Bachelor of Computer Application (B.C.A) (Semester-II)
STATISTICAL METHODS - PAPER III
UNIT TEST on Unit III - IV**

[Time: 45 min.]

[Maximum Marks: 30]

UNIT-III

QUE. 1. SOLVE ANY THREE

- a. Prove that for any discrete distribution, standard deviation is not less than mean deviation from mean. 5
- b. Find the coefficient of skewness from the data given below :

Size	3	4	5	6	7	8	9	10	
Frequency	7	10	14	35	102	136	43	8	5

- c. What are the objectives of measuring dispersion of a frequency distribution ? Explain. 5
- d. Calculate quartile deviation and its coefficient from the following data : 5

Wages	No. of Wages
0–10	20
10–20	45
20–30	85
30–40	160
40–50	70
50–60	55
60–70	35
70–80	30

UNIT-IV

- a. Explain coefficient of correlation with its limits. 5
- b. A random sample of 5 college students is selected and their grades in Mathematics and Statistics are found to be :

Mathematics	85	60	73	40	90
Statistics	93	75	65	50	80

Calculate Rank Correlation Coefficient. 5

- c. What is Regression ? Explain the properties of regression coefficient in detail. 5
- d. Obtain lines of regression for the following :

X	1	2	3	4	5	6	7	8	9
Y	9	8	10	12	11	13	14	16	15

And also obtain an estimate of Y which should correspond to the average $X = 6.2$. 5

Signature of the teacher

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S. S. E. S. Am's Science College,
Congress Nagar, Nagpur



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

BCA I Semester-I (2023-24)

Discrete Mathematics-I

Paper-IV

Result of Unit Test held on 01/09/2023 on

Unit I and UNIT II

Name of the teacher: Dr. Varsha C. Pande

Sr. No.	Name	Marks out of 30
1	Aditi Nandkumar Vairale	28
2	Anushka Suraj Shende	18
3	Apeksha Jaydeoman Watkar	30
4	Anjali Ramkrushna Jogi	13
5	Arya Kishor Raut	23
6	Chahat Eklesh Singh Thakur	26
7	Devashri Gopal Garade	AB
8	Diyaprakashthakre	12
9	Harshita Madan Suthar	27
10	Harshika Ajesh Gupta	27
11	Hrutuja Sandip Dhoble	AB
12	Isha Yogendra Singh	9
13	Janhvi Prashantrao Medpilwar	7
14	Jagruti Kailas Warkade	18
15	Janhavi Narendra Duke	16
16	Juhi Rajendra Talhar	22
17	Kajol Dilipkumarpatle	1
18	Kanak Pravin Tembhekar	15
19	Kasak Sunil Kamdi	6
20	Kalyani Madhukar Nakhate	22
21	Khushali Sanjivkumar Bhagat	16
22	Kirtee Rupkumar Yede	16
23	Mahi Harish Batra	8
24	Manjiri Rajendra Kale	17
25	Mayuri Ramesh Akkewar	15
26	Maithili Sandeep Panchabhai	AB
27	Mohini Satish Lande	AB
28	Nandini Ramesh Warhedao	19
29	Natasha Santosh Devlekar	20
30	Nishita Ashutosh Pandey	3
31	Nandini Nirmesh Prajapati	28
32	Neha Kishor Mate	20
33	Nisha Arjun Gajabe	19
34	Ojasvi Suresh Khope	23
35	Palak Sachin Dhomne	10

36	Payal Dilip Bhambhole	15
37	Pritik Almeshwar Ramteke	30
38	Priya Naresh Tiwari	6
39	Pournima Shankar Choukhe	16
40	Pranali Mohan Mahure	12
41	Pratiksha Arun Bramhankar	7
42	Riya Tarunkumar Das	12
43	Rohini Madhoroa Shahare	29
44	Rutuja Laxmanji Somkuwar	26
45	Rani Bablu Satpute	30
46	Ravina Raju Atrahe	8
47	Ritika Kashiram Turkar	30
48	Rutika Dhananjay Chavan	29
49	Sakshi Rajendra Gondane	4
50	Sakshi Sunil Patil	1
51	Saloni Rajesh Zade	26
52	Salonis Anjay Talewale	8
53	Sanchita Pradeepgodghate	15
54	Saniyaparimalbala	19
55	Shivanilaxmikantrawat	AB
56	Shreyachandrakirtimeshram	AB
57	Srushti Purushottam Vaidya	6
58	Swati Digambar Bisen	30
59	Shrawani Kiran Rajgure	10
60	Surbhi Sharad Bhiwgade	12
61	Tanmayi Nitin Dhabekar	17
62	Trupti Ashok Sarve	3
63	Vaishnavi Rajendra Charde	29
64	Vishakha Satish Tajne	30
65	Aditya Prashant Jodh	18
66	Aman Satish Mankar	12
67	Amit Devendra Lamse	22
68	Ankush Shankar Kanojiya	1
69	Atulkumar Sachidanand Singh	27
70	Ayur Khumendra Mendhe	2
71	Aniket Satishrao Jakkanwar	27
72	Bhavesh Pramod Mankar	2
73	Chetan Murlidhar Zade	23
74	Devesh Ghansham Sahare	22
75	Dhiraj Giridhar Buddhe	5
76	Divyanshu Sanjay Dohale	1
77	Harshal Shivdas Wasnik	19
78	Hemang Tulshidas Diwathe	27
79	Himanshu Ramesh Ade	3
80	Jatin Gokuldas Nawale	25

81	Joydeep Pravir Shaha	29
82	Kartik Sanjay Ingale	6
83	Krish Gajanan Hargude	15
84	Krishna Jitendra Yelne	20
85	Kunal Jaipal Narwas	12
86	Kunal Tameshwar Selokar	AB
87	Lokesh Vijayrao Werulkar	27
88	Milind Suresh Bhosle	7
89	Mayur Sandip Meshram	27
90	Nehal Dinesh Garade	18
91	Omkumar Sanjay Vibhandik	13
92	Omkar Santosh Kukse	25
93	Prajwal Pradip Giri	18
94	Parth Naresh Suryawanshi	AB
95	Ritik Kailash Girepunje	AB
96	Ritik Uttam Bhautik	3
97	Rohan Madhukar Chaudhari	26
98	Romanch Ramesh Kolhe	22
99	Rupesh Manojkumar Tirpude	22
100	Rushabh Santosh Gaur	27
101	Sahil Santosh Bohane	AB
102	Sakshant Ganesh Ghugulkar	13
103	Sujay Jayprakash Swan	6
104	Sahil Shrikant Wankhede	25
105	Sangam Kailash Patle	4
106	Shubham Suraj Kausale	2
107	Siddhant Suresh Khairkar	23
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109	Yash Anil Patil	17
110	Yash Manoj Dahake	7
111	Yash Umesh Yadav	23
112	Yog Tulsidas Rahangdale	8
113	Himanshu Rajkumar Somalwar	AB
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115	Yash Prashant Bhajipale	AB



Signature of the Teacher



**Head
Department of Computer Science**



Professor & Head
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S S E S, Amri's Science College,
Congress Nagar, Nagpur

Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
Bachelor of computer Application (BCA) (Semester-I)
Paper-IV
DISCRETE MATHEMATICS - I

UNIT TEST

Time: 45 min.]

[Maximum Marks: 30

UNIT-I

QUE. 1. SOLVE ANY THREE

1. Show that:

- | | | |
|---|---|---|
| | $P \rightarrow (Q \rightarrow P) \Leftrightarrow \neg P (P \rightarrow Q).$ | 5 |
| 2 | Construct the truth table for $(Q \wedge (P \rightarrow Q)) \rightarrow P.$ | 5 |
| 3 | Given the truth value of P and Q as T and those of R and S as F, find the truth values of:
$(\neg(P \wedge Q) \vee \neg R) \vee ((Q \leftrightarrow \neg P) \rightarrow (R \vee \neg S)).$ | 5 |
| 4 | Show that:
$(\neg P \wedge (\neg Q \wedge R)) \vee (Q \wedge R) \vee (P \vee R) \Leftrightarrow R.$ | 5 |

UNIT- II

QUE. 2. SOLVE ANY THREE

- | | | |
|---|--|---|
| 1 | Obtain the conjunctive normal form of:
$\neg(P \vee Q) \Leftrightarrow (P \wedge Q).$ | 5 |
| 2 | Obtain the principal disjunctive normal form of:
$P \rightarrow ((P \rightarrow Q) \wedge \neg(\neg Q \vee \neg P)).$ | 5 |
| 3 | Obtain the principal conjunctive normal form of:
$(\neg P \vee \neg Q) \rightarrow (P \Leftrightarrow \neg Q).$ | 5 |
| 4 | Obtain the principal disjunctive normal form of
$\neg P \vee Q.$ | 5 |



Signature of the Teacher



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

BCA I Semester-I (2023-24)

Discrete Mathematics-I

Paper-IV

Result of Unit Test held on 05/10/2023 on

Unit III and UNIT IV

Name of the teacher: Dr. Varsha C. Pande

Sr. No.	Name	Marks out of 30
1	Aditi Nandkumar Vairale	10
2	Anushka Suraj Shende	7
3	Apeksha Jaydeoman Watkar	25
4	Anjali Ramkrushna Jogi	27
5	Arya Kishor Raut	27
6	Chahat Eklesh Singh Thakur	7
7	Devashri Gopal Garade	16
8	Diyaprakashthakre	15
9	Harshita Madan Suthar	6
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52	Salonis Anjay Talewale	28
53	Sanchita Pradeepgodghate	20
54	Saniyaparimalbala	AB
55	Shivanilaxmikantrawat	AB
56	Shreyachandrakirtimeshram	17
57	Srushti Purushottam Vaidya	12
58	Swati Digambar Bisen	17
59	Shrawani Kiran Rajgure	6
60	Surbhi Sharad Bhiwgade	13
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62	Trupti Ashok Sarve	16
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67	Amit Devendra Lamse	9
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69	Atulkumar Sachidanand Singh	7
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97	Rohan Madhukar Chaudhari	7
98	Romanch Ramesh Kolhe	19
99	Rupesh Manojkumar Tirpude	15
100	Rushabh Santosh Gaur	19
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103	Sujay Jayprakash Swan	27
104	Sahil Shrikant Wankhede	23
105	Sangam Kailash Patle	13
106	Shubham Suraj Kausale	25
107	Siddhant Suresh Khairkar	13
108	Vinay Kamalsingh Raghuwanshi	19
109	Yash Anil Patil	20
110	Yash Manoj Dahake	21
111	Yash Umesh Yadav	29
112	Yog Tulsidas Rahangdale	19
113	Himanshu Rajkumar Somalwar	AB
114	Nishant Dhanraj Nandanwar	13
115	Yash Prashant Bhajipale	21



Signature of the Teacher



**Head
Department of Computer Science**



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Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
Bachelor of computer Application (BCA) (Semester-I)
Paper-IV
DISCRETE MATHEMATICS - I

UNIT TEST

Time: 45 min.]

[Maximum Marks: 30

UNIT-III

QUE. 1. SOLVE ANY THREE

1. Determine whether the conclusion C follows logically from premises H_1 and H_2 :
 $H_1 : P \rightarrow Q, H_2 : \neg(P \wedge Q) \quad C : \neg P$ 5
- 2 Show that $R \vee S$ follows logically from the premises
 $C \vee D, (C \vee D) \rightarrow \neg H, \neg H \rightarrow (A \wedge \neg B), \text{ and } (A \wedge \neg B) \rightarrow (R \vee S).$ 5
- 3 Show that : $\neg Q, P \rightarrow Q \Rightarrow \neg P.$ 5
- 4 Show that $S \vee R$ is tautologically implied by:
 $(P \vee Q) \wedge (P \rightarrow R) \wedge (Q \rightarrow S).$ 5

UNIT- IV

QUE. 2. SOLVE ANY THREE

- 1 Explain the following with respect to predicate calculus with one example of each :
(i) Predicate formula
(ii) Free and bound variables
(iii) Universe of discourse
(iv) Statement function. 5
- 2 Show that :
 $(x) (P(x) \rightarrow Q(x)) \wedge (x) (Q(x) \rightarrow R(x)) \Rightarrow (x) (P(x) \rightarrow R(x))$ 5
- 3 Show that :
 $(x) (H(x) \rightarrow M(x)) \wedge H(s) \Rightarrow M(s).$ 5
- 4 Show that $\neg P(a, b)$ follows logically from $(x) (y) (P(x, y) \rightarrow W(x, y))$ and $W(a, b).$ 5



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

BCA-I Semester-I (2023-24)

Operating Systems

Paper-V

Result of Unit Test held on: 19/08/2023

Unit I and UNIT II

Name of the Teacher: Ms. Puja M. Dadhe

Sr. No.	Name of Student	Marks Out of 30
1	Aditi Nandkumar Vairale	29
2	Anushka Suraj Shende	19
3	Apeksha Jaydeo Manwatkar	21
4	Anjali Ramkrushna Jogi	14
5	Arya Kishor Raut	24
6	Chahat Ekleshsingh Thakur	27
7	Devashri Gopal Garade	3
8	Diya Prakash Thakre	13
9	Harshita Madan Suthar	8
10	Harshika Ajesh Gupta	28
11	Hrutuja Sandip Dhoble	7
12	Isha Yogendra Singh	10
13	Janhvi Prashantrao Medpilwar	8
14	Jagruti Kailas Warkade	19
15	Janhavi Narendra Duke	17
16	Juhi Rajendra Talhar	23
17	Kajol Dilipkumar Patle	2
18	Kanakshri Pravin Tembhekar	16
19	Kasak Sunil Kamdi	7
20	Kalyani Madhukar Nakhate	23
21	Khushali Sanjivkumar Bhagat	17
22	Kirtee Rupkumar Yede	17
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30	Nishita Ashutosh Pandey	4
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115	Yash Prashant Bhajipale	10



Signature of the Teacher



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Shri Shivaji Education Society Amravati's
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Academic Session 2023-2024
Bachelor of computer Application (BCA) (Semester-I)
Paper-V
Operating System

UNIT TEST

Time: 45 min]

[Maximum Marks: 30

UNIT-I

QUE. 1. SOLVE ANY THREE

- a) Explain *structure* of *operating system*. (5)
- b) Draw Gantt chart, and find out average *turnaround* time, average *waiting* time of all processes under *FCFS*, *SJF* and *RR* scheduling. (5)

PROCESS	ARRIVAL TIME	BURST TIME
P1	0	5
P2	2	24
P3	4	16
P4	6	10
P5	8	3

- c) Define process. Explain different process states with diagram. (5)
- d) What are the functions of operating system? (5)

UNIT- II

QUE. 2. SOLVE ANY THREE

- a) Explain how deadlocks are *detected* and *recovered*? (5)
- b) What is *Resource Allocation Graph*? Explain. (5)
- OR**
- c) What is deadlock? What are the *necessary conditions* to occur *deadlock*? (5)
- d) Write a note on *deadlock prevention*. (5)



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SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S

SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

BCA-I Semester-I (2023-24)

Operating Systems

Paper-V

Result of Unit Test held on: 27/10/2023

Unit III and UNIT IV

Name of the Teacher: Ms. Puja M. Dadhe

Sr. No.	Name	Marks out of 30
1	Aditi Nandkumar Vairale	18
2	Anushka Suraj Shende	28
3	Apeksha Jaydeo Manwatkar	18
4	Anjali Ramkrushna Jogi	27
5	Arya Kishor Raut	15
6	Chahat Eklesh Singh Thakur	AA
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Academic Session 2023-2024
Bachelor of computer Application (BCA) (Semester-I)
Paper-V
Operating System

UNIT TEST

Time: 45 min]

[Maximum Marks: 30

UNIT-III

QUE. 1. SOLVE ANY THREE

- a) What are the *memory management requirements*? Explain in brief. (5)
- b) What is *dynamic loading and dynamic linking*? Explain. (5)
- c) Write short notes on following
1. *Logical vs. physical address space* 2. *Swapping* (5)
- d) Explain in brief *paging* and *segmentation* (5)

UNIT- IV

QUE. 2. SOLVE ANY THREE

- a) What is *buffering*? Explain *single* and *double* buffering? (5)
- b) Write a note on *RAID*. (5)
- c) What are different *file accessing methods* available? Explain in brief. (5)
- d) What is *digital signature*? Explain with examples. (5)



Signature of the Teacher



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Bachelor of Computer Application

B.C.A. I Semester-I (2023-24)

Office Automation Paper-VI

Result of Unit Test held on 15/09/2023 on Unit I & II

Name of the teacher: Anjali Milind Pakhidde

Sr. No	NAME OF THE STUDENTS	MARKS OUT OF 30
1	ADITI NANDKUMAR VAIRALE	22
2	ANUSHKA SURAJ SHENDE	26
3	APEKSHA JAYDEO MANWATKAR	22
4	ANJALI RAMKRUSHNA JOGI	24
5	ARYA KISHOR RAUT	24
6	CHAHAT EKLESHSINGH THAKUR	25
7	DEVASHRI GOPAL GARADE	15
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11	HRUTUJA SANDIP DHOBLE	16
12	ISHA YOGENDRA SINGH	19
13	JANHVI PRASHANTRAO MEDPILWAR	20
14	JAGRUTI KAILAS WARKADE	20
15	JANHAVI NARENDRA DUKE	21
16	JUHI RAJENDRA TALHAR	25
17	KAJOL DILIPKUMAR PATLE	27
18	KANAKSHRI PRAVIN TEMBHEKAR	15
19	KASAK SUNIL KAMDJI	16

20	KALYANI MADHUKAR NAKHATE	17
21	KHUSHALI SANJIVKUMAR BHAGAT	18
22	KIRTEE RUPKUMAR YEDE	12
23	MAHI HARISH BATRA	13
24	MANJIRI RAJENDRA KALE	15
25	MAYURI RAMESH AKKEWAR	14
26	MAITHILI SANDEEP PANCHABHAI	18
27	MOHINI SATISH LANDE	19
28	NANDINI RAMESHWAR HEDAOO	24
29	NATASHA SANTOSH DEVLEKAR	25
30	NISHITA ASHUTOSH PANDEY	27
31	NANDINI NIRMESH PRAJAPATI	15

32	NEHA KISHOR MATE	16
33	NISHA ARJUN GAJABE	17
34	OJASVI SURESH KHOPE	16
35	PALAK SACHIN DHOMNE	17
36	PAYAL DILIP BHAMBHOLE	15
37	PRITI KALMESHWAR RAMTEKE	16
38	PRIYA NARESH TIWARI	17
39	POURNIMA SHANKAR CHOUKHE	20
40	PRANALI MOHAN MAHURE	24
41	PRATIKSHA ARUN BRAMHANKAR	18
42	RIYA TARUN KUMAR DAS	25
43	ROHINI MADHORAOSHAHARE	18
44	RUTUJA LAXMANJI SOMKUWAR	16
45	RANI BABLU SATPUTE	17

46	RAVINA RAJU ATRAHE	13
47	RITIKA KASHIRAM TURKAR	14
48	RUTIKA DHANANJAY CHAVAN	16
49	SAKSHI RAJENDRA GONDANE	14
50	SAKSHI SUNIL PATIL	15
51	SALONI RAJESH ZADE	18
52	SALONI SANJAY TALEWALE	16
53	SANCHITA PRADEEP GODGHATE	24
54	SANIYA PARIMAL BALA	25
55	SHIVANI LAXMIKANT RAWAT	18
56	SHREYA CHANDRAKIRTI MESHRAM	16
57	SRUSHTI PURUSHOTTAM VAIDYA	17
58	SWATI DIGAMBAR BISEN	16
59	SHRAWANI KIRAN RAJGURE	18
60	SURBHI SHARAD BHIWGADE	16
61	TANMAYI NITIN DHABEKAR	10
62	TRUPTI ASHOK SARVE	12
63	VAISHNAVI RAJENDRA CHARDE	16
64	VISHAKHA SATISH TAJNE	14
65	ADITYA PRASHANT JODH	26
66	AMAN SATISH MANKAR	AA
67	AMIT DEVENDRA LAMSE	14
68	ANKUSH SHANKAR KANOJIYA	19
69	ATUL KUMAR SACHIDANAND SINGH	20
70	AYUR KHUMENDRA MENDHE	24
71	ANIKET SATISHRAO JAKKANWAR	17

72	BHAVESH PRAMOD MANKAR	18
73	CHETAN MURLIDHAR ZADE	19

74	DEVESH GHANSHAM SAHARE	20
75	DHIRAJ GIRIDHAR BUDDHE	26
76	DIVYANSHU SANJAY DOHALE	17
77	HARSHAL SHIVDAS WASNIK	26
78	HEMANG TULSHIDAS DIWATHE	25
79	HIMANSHU RAMESH ADE	18
80	JATIN GOKULDAS NAWALE	14
81	JOYDEEP PRAVIR SHAHA	16
82	KARTIK SANJAY INGALE	17
83	KRISH GAJANAN HARGUDE	19
84	KRISHNA JITENDRA YELNE	20
85	KUNAL JAIPAL NARWAS	24
86	KUNAL TAMESHWAR SELOKAR	24
87	LOKESH VIJAYRAO WERULKAR	26
88	MILIND SURESH BHOSLE	AA
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90	NEHAL DINESH GARADE	18
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103	SUJAY JAYPRAKASH SWAN	AA
104	SAHIL SHRIKANT WANKHEDE	16
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Signature of the Teacher

**Head
Department of Computer Science**



Professor & Head
Department of Computer Science
S.S.E.S. Am's Science College,
Congress Nagar, Nagpur

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2023-2024**

B.C.A. I Semester-I (2023-24)

Office Automation Paper-VI

UNIT I & UNIT II

[Time: 48 min.]

[Maximum Marks: 30]

Que 1] Solve any three questions.

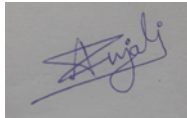
1. What are the advantages and disadvantages of Windows operating system ? [5M]
2. Give new features of WINDOWS XP over WINDOWS OS. [5M]
3. How will you search files and folders in Windows Operating System ? [5M]
4. Write short notes on :

(i) Recycle Bin

(ii) GUI.

Que 2] Solve any three questions.

1. Write a procedure to create a table in Word. [5M]
2. Give steps to create a template in Word. [5M]
3. Explain different operations that we can perform on a text; also list shortcut key combination for it. [5M]
4. Explain any two document formatting operations. [5M]



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

Bachelor of Computer Application

B.C.A. I Semester-I (2023-24)

Office Automation Paper-VI

Result of Unit Test held on 13/11/2023 on Unit III & IV

Name of the teacher: Anjali Milind Pakhidde

Sr. No	NAME OF THE STUDENTS	Marks out of 30
1	ADITI NANDKUMAR VAIRALE	28
2	ANUSHKA SURAJ SHENDE	27
3	APEKSHA JAYDEO MANWATKAR	21
4	ANJALI RAMKRUSHNA JOGI	13
5	ARYA KISHOR RAUT	25
6	CHAHAT EKLESHSINGH THAKUR	14
7	DEVASHRI GOPAL GARADE	10
8	DIYA PRAKASH THAKRE	28
9	HARSHITA MADAN SUTHAR	28
10	HARSHIKA AJESH GUPTA	17
11	HRUTUJA SANDIP DHOBLE	13
12	ISHA YOGENDRA SINGH	20
13	JANHVI PRASHANTRAO MEDPILWAR	12
14	JAGRUTI KAILAS WARKADE	25
15	JANHAVI NARENDRA DUKE	12
16	JUHI RAJENDRA TALHAR	30
17	KAJOL DILIPKUMAR PATLE	22
18	KANAKSHRI PRAVIN TEMBHEKAR	16
19	KASAK SUNIL KAMDIA	17
20	KALYANI MADHUKAR NAKHATE	13
21	KHUSHALI SANJIVKUMAR BHAGAT	17

22	KIRTEE RUPKUMAR YEDE	26
23	MAHI HARISH BATRA	14
24	MANJIRI RAJENDRA KALE	19
25	MAYURI RAMESH AKKEWAR	18
26	MAITHILI SANDEEP PANCHABHAI	25
27	MOHINI SATISH LANDE	10
28	NANDINI RAMESHWAR HEDAOO	16
29	NATASHA SANTOSH DEVLEKAR	10
30	NISHITA ASHUTOSH PANDEY	18
31	NANDINI NIRMESH PRAJAPATI	11
32	NEHA KISHOR MATE	27

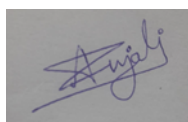
33	NISHA ARJUN GAJABE	24
34	OJASVI SURESH KHOPE	16
35	PALAK SACHIN DHOMNE	20
36	PAYAL DILIP BHAMBHOLE	24
37	PRITI KALMESHWAR RAMTEKE	21
38	PRIYA NARESH TIWARI	10
39	POURNIMA SHANKAR CHOUKHE	27
40	PRANALI MOHAN MAHURE	14
41	PRATIKSHA ARUN BRAMHANKAR	13
42	RIYA TARUN KUMAR DAS	18
43	ROHINI MADHORA SHAHARE	30
44	RUTUJA LAXMANJI SOMKUWAR	29
45	RANI BABLU SATPUTE	21
46	RAVINA RAJU ATRAHE	21
47	RITIKA KASHIRAM TURKAR	19
48	RUTIKA DHANANJAY CHAVAN	13

49	SAKSHI RAJENDRA GONDANE	23
50	SAKSHI SUNIL PATIL	11
51	SALONI RAJESH ZADE	22
52	SALONI SANJAY TALEWALE	17
53	SANCHITA PRADEEP GODGHATE	29
54	SANIYA PARIMAL BALA	30
55	SHIVANI LAXMIKANT RAWAT	28
56	SHREYA CHANDRAKIRTI MESHARAM	14
57	SRUSHTI PURUSHOTTAM VAIDYA	19
58	SWATI DIGAMBAR BISEN	12
59	SHRAWANI KIRAN RAJGURE	17
60	SURBHI SHARAD BHIWGADE	16
61	TANMAYI NITIN DHABEKAR	25
62	TRUPTI ASHOK SARVE	13

63	VAISHNAVI RAJENDRA CHARDE	17
64	VISHAKHA SATISH TAJNE	25
65	ADITYA PRASHANT JODH	16
66	AMAN SATISH MANKAR	13
67	AMIT DEVENDRA LAMSE	29
68	ANKUSH SHANKAR KANOJIYA	22
69	ATUL KUMAR SACHIDANAND SINGH	14
70	AYUR KHUMENDRA MENDHE	28
71	ANIKET SATISHRAO JAKKANWAR	14
72	BHAVESH PRAMOD MANKAR	18
73	CHETAN MURLIDHAR ZADE	23
74	DEVESH GHANSHAM SAHARE	26
75	DHIRAJ GIRIDHAR BUDDHE	14

76	DIVYANSHU SANJAY DOHALE	12
77	HARSHAL SHIVDAS WASNIK	11
78	HEMANG TULSHIDAS DIWATHE	17
79	HIMANSHU RAMESH ADE	24
80	JATIN GOKULDAS NAWALE	14
81	JOYDEEP PRAVIR SHAHA	19
82	KARTIK SANJAY INGALE	12
83	KRISH GAJANAN HARGUDE	16
84	KRISHNA JITENDRA YELNE	26
85	KUNAL JAIPAL NARWAS	21
86	KUNAL TAMESHWAR SELOKAR	15
87	LOKESH VIJAYRAO WERULKAR	28
88	MILIND SURESH BHOSLE	21
89	MAYUR SANDIP MESHARAM	17
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Office Automation Paper-VI

UNIT III & UNIT IV

[Time: 48 min.]
30]

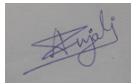
[Maximum Marks:

Que 1] Solve any three questions.

1. How will you use a formula in Excel ? Explain with example. [5M]
2. Give the use of following MS-Excel functions : [5M]
 - (i) ROUND()
 - (ii) COUNT ()
 - (iii) ABS ()
 - (iv) UPPER ()
 - (v) LOWER ()
3. Explain the different operations that can be performed on a cell. [5M]
4. What is chart creation ? Explain data form and data sort.

Que 2] Solve any three questions.

1. Write a note on Custom Animation and Slide transition. [5M]
2. Explain auto-context wizard in detail. [5M]
3. Explain Pack and go option of MS-PowerPoint in detail. Explain how it is beneficial.
4. Explain Auto Content Wizard in PowerPoint. [5M]



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