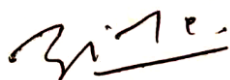


**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.
BCA I Semester-II (2017-18)
Programming in c++ Paper-I
Result of Unit Test held on 02/03/2017 on Unit I and
UNIT II**

Name of the teacher: A.J.Mungole

Sr. No.	Name	Marks out of 30
1	ANISHA RAJESH SOMKUWAR	7
2	ANJALA SUBHASH UFAT	15
3	APURVA RAJU GANRAJ	3
4	DHANASHREE DINKAR KUTE	18
5	KAJAL GOKULDAS LONDHE	26
6	KRUTIKA GOPAL LENDE	9
7	MAYURI RAMESH AGLAWE	5
8	MONICA G. CHATURVEDI	14
9	MOUSAMI RAJESH SINGH GOUR	11
10	NEHA LAKSHMAN MISHRA	8
11	NIKITA SUNIL MAHATPURE	29
12	PALAK DEEPAK CHOPRA	3
13	PRASHIKA AMRENDRA WALKE	6
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16	SHIVANI DAMODHAR DONODE	16
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25	ABHISHEK NANDKISHOR DIYEWAR	21
26	ADITYA ASHOK KHANTE	5

27	ADITYA SUDHIR TELPANDE	5
28	AMAN SURESH KHURANA	11
29	AMARNATH R. SHAHU	25
30	LVS PRASHANTH C. RONGALA	14
31	MOHIT RAJESH BOHRA	28
32	PRAJWAL SANJAY MAKANWAR	7
33	PRITISH KISHOR SARKAR	23
34	PRITISH MADHAV BHONDE	26
35	RAVI AMARJEET MOURYA	6
36	RITIK ANIL VERMA	19
37	RUSHABH ARVIND MANDVEKAR	11
38	RUSHABH MANOHAR AWAJEKAR	27
39	RUSHABH NANDKISHOR MASKE	6
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42	SHUBHAM TOPRAM RAHANGDALE	9
43	VINIT BHIKAJI SHENDE	13
44	YASHWANTA D. CHANDNE	11
45	YOGENDRA DINESH BOKHAD	5
46	PARIKSHIT V. MANGRULKAR	19
47	SHEIKH S. S. A. SALAM	3
48	SHRADDHA P. BOKADE	18
49	TRUPTI VINAYAK DESHMUKH	7
50	ZAINAB ASGHAR HUSSAIN	11



Signature of the teacher




Head of the Department

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 2017-2018
Bachelor of Computer Application (B.C.A) (Semester-II)
Programming in c++Paper-I
UNIT TEST on Unit I - II**

[Time: 45 min.]

[Maximum Marks: 30]

UNIT-I

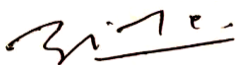
QUE. 1. SOLVE ANY THREE

- a) Elaborate various elements of object oriented programming. 5
- b) Create a class called as sample with : 5
- (i) Data members as
- (1) x which is of integer type.
- (2) y which is of integer type.
- (ii) Member functions :
- (1) getdata ()
- (2) display ()
- Define getdata function inside the class. Give outside class definition of the display function.
- (iii) Create an object of sample class
- c) Explain different access specifiers with suitable example. 5
- d) Explain class and object with its syntax and example 5

UNIT-II

QUE. 1. SOLVE ANY THREE

- a) What is a constructor ? Explain the concept of copy constructor with example. 5
- b) Explain unary operator overloading with example. 5
- c) Explain the concept of constructor overloading with example. 5
- d) What is a destructor ? Explain the order of execution constructor and destructor with example. 5



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SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.
BCA I Semester-II (2017-18)
Programming in c++ Paper-I
Result of Unit Test held on 06/05/2018 on Unit III and
UNIT IV

Name of the teacher: A.J.Mungole

Sr. No.	Name	Marks out of 30
1	ANISHA RAJESH SOMKUWAR	12
2	ANJALA SUBHASH UFAT	5
3	APURVA RAJU GANRAJ	18
4	DHANASHREE DINKAR KUTE	29
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6	KRUTIKA GOPAL LENDE	15
7	MAYURI RAMESH AGLAWE	24
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11	NIKITA SUNIL MAHATPURE	25
12	PALAK DEEPAK CHOPRA	6
13	PRASHIKA AMRENDRA WALKE	23
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34	PRITISH MADHAV BHONDE	10
35	RAVI AMARJEET MOURYA	27
36	RITIK ANIL VERMA	15
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44	YASHWANTA D. CHANDNE	27
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46	PARIKSHIT V. MANGRULKAR	5
47	SHEIKH S. S. A. SALAM	22
48	SHRADDHA P. BOKADE	30
49	TRUPTI VINAYAK DESHMUKH	25
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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
Academic Session 2017-2018
Bachelor of Computer Application (B.C.A) (Semester-II)
Programming in c++Paper-I
UNIT TEST on Unit III - IV

[Time: 45 min.]

[Maximum Marks: 30]

UNIT-III

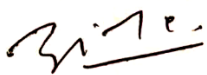
QUE. 1. SOLVE ANY THREE

- | | |
|---|---|
| (a) What is inheritance ? Give an example of multilevel inheritance. | 5 |
| (b) What do you mean by dynamic object ? How can we create it ? | 5 |
| (c) How can we call base class constructor with derived class object ?
Explain with example. | 5 |
| (d) What is this pointer ? Explain its working with example. | 5 |

UNIT-IV

QUE. 1. SOLVE ANY THREE

- | | |
|--|---|
| (a) What is the need of virtual function . | 5 |
| (b) How can we handle uncaught exception ? Explain with example. | 5 |
| (c) Explain the rules to declare virtual function. | 5 |
| (d) What is exception ? Give the list of predefined exceptions. | 5 |


Signature of the teacher


Head of the Department



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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-II (2017-18)
System Analysis and Design
Paper-II
Result of Unit Test Held on: 17 Feb 2018
Unit I and Unit II**

Name of the Teacher:

Sr. No.	Name	Marks out of 30
1	Akansha D. Jawade	17
2	Anjali C. Dhongade	15
3	Ankita Sanjay Chambhare	11
4	Apekshasingh Ashok Solanki	27
5	Arpita Hemant Raut	12
6	Arti Paras Bharadwaj	AA
7	Divya Sudhir Yadav	29
8	Gayatri Shrikant Urkude	12
9	Hiral Santosh Raikwad	28
10	Janhavi Gajanan Yenurkar	23
11	Jyoti Vinod Shukla	12
12	Kanchan Pradeep Apte	15
AA	Krupa Babanrao Mahale	AA
14	Krutika Ashwin Limbad	AA
15	Krutika Suresh Raut	25
AA	Madhavi Naresh Dhande	AA
17	Madhura Mukund Pande	20
18	Mrunali Sharad Bokade	20
19	Muskan Sushil Kamwani	18
20	Nehal Manoj Chandarana	25
21	Neha Kishorroa Surve	18
22	Nikita Yashwant Gokhale	27
23	Phalguni C. Khode	25
24	Pinki Dayaram Yadav	AA
25	Pooja Bharat Singh	17
26	Pranali Ashok Lichade	18
27	Pratiksha G.Pimpalkar	11
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29	Priyanka Krishna Das	29
30	Puja Shivshankar Yadav	AA
31	Radha Dinesh Trivedi	AA
32	Ritu Parna Pratap Dubey	12
33	Riya Rajesh Dhapodkar	10
34	Ruchi Dwarkaprasad Patle	17
35	Sakshi C. Khope	22
36	Sakshi Rajesh Sonkar	28

37	Saroj Pradeep Jangid	19
38	Sayali Annaji Hatwar	11
39	Sejal Prashant Ambatkar	AA
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49	Sweety Mohan Ladhi	15
50	Tejaswini Wasudev Balki	AA
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53	Abhishek D. Bhanarkar	17
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55	Ajinkya Ravindra Bhise	28
56	Ajinkya Vinay Dange	26
57	Ajinkya Vishwas Dahat	12
58	Akash Vikas Panday	24
59	Akshay Rajesh Khobragade	AA
60	Akshit Avinash Khobragade	14
61	Anshul Anand Bhange	17
62	Arnav C. Andraskar	18
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73	Harshal Kalidas Dhandre	AA
74	Krunal Vijay Ninave	23
75	Leeladhar A. Banothe	14
76	Mayank Anupam Barla	18
77	Mayur Rameshwar Khairkar	25
78	Mihir Ravindra Nayak	AA
79	Mrinal Jagdish Kamble	19
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82	Nikhil Satish Saujani	14
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86	Piyush Rajesh Nakshe	26
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88	Prajwal Anil Ambade	AA
89	Pranay Gajanan Badkhal	14
90	Pranay Sushil Thakre	22
91	Pranit Ravindra Vinchurkar	17
92	Prasad Ramrao Tale	15
93	Prathamesh Dashrath Atkar	14
94	Pratik Naresh Gurnule	AA
95	Pritam Pavitra Das	AA
96	Purushottam B Dineshwar	19
97	Purushottam Tukadu Thakre	11
98	Rahul Sudhir Borkar	19
99	Ranjeet Arabindu Karmakar	AA
100	Ritesh Gajanan Wagh	18
101	Ritik Sudhir Undirwade	27
102	Rohan Kishor Patinge	23
103	Rohit Ajabrao Deshbhratar	25
104	Rupesh Ashok Kamthe	25
105	Rushikesh Moreshwar Gophane	28
106	Sagar Sahebrao Meshram	28
107	Sahil Raja Binekar	18
108	Saurabh Ishwar Rajurkar	22
109	Saurabh Raju Patil	20
110	Shubham Narayan Mokaddam	10
111	S. Purushottamprasad Diyundi	15
112	Shubhanshu Manoj Sane	21
1AA	Sonu Suryabhan Zade	28
114	Suchit Subashish Mukherjee	25
115	Suyog Madhukar Karemore	29
1AA	Tanmay Manoj Mane	AA
117	Utkarsh Pravin Pathak	AA
118	V Surya Prakash V Nirmal	18
119	Yash Dattaram Nikhare	AA
120	Yash Krishnarao Bade	19


Signature of the Teacher


Head
Department of Computer Science



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

Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur

Academic Session 2017-2018
Bachelor of computer Application (BCA) (Semester-II)
Paper-IV
System Analysis and Design

UNIT TEST

Time: 45 min.]

[Maximum Marks: 30

UNIT-I

QUE. 1. SOLVE ANY THREE

- | | |
|--|----------|
| (a) Explain the elements of system in detail. | 5 |
| (b) What is system? Explain any three types of systems. | 5 |
| (c) Explain system development life cycle. | 5 |
| (d) What are the different roles of the System Analyst? | 5 |

UNIT- II

QUE. 2. SOLVE ANY THREE

- | | |
|---|----------|
| A. What is DFD? List Various Symbols used in drawing DFD with their meaning. | 5 |
| B. Explain decision Tree giving suitable example. | 5 |
| C. Write Principle of output design. | 5 |
| D. write short notes on (i) Process Chart (ii) SOP | 5 |



Signature of the Teacher



Head

Department of Computer Science



Professor & Head
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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-II (2017-18)
System Analysis and Design
Paper-II
Result of Unit Test Held On: 21/04/2018
Unit III and UNIT IV**

Name of the Teacher: Ms. Puja M. Dadhe

Sr. No.	Name	Marks out of 30
1	Akansha D. Jawade	16
2	Anjali C. Dhongade	22
3	Ankita Sanjay Chambhare	28
4	Apekshasingh Ashok Solanki	24
5	Arpita Hemant Raut	26
6	Arti Paras Bharadwaj	27
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Signature of the Teacher




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Shri Shivaji Education Society Amravati's
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Academic Session 2017-2018
Bachelor of computer Application (BCA) (Semester-II)
Paper-IV
System Analysis and Design

UNIT TEST

Time: 45 min.]

[Maximum Marks: 30

UNIT-III

QUE. 1. SOLVE ANY THREE

- | | |
|---|---|
| A) What is software reuse? Why software reuse is required? | 5 |
| (B) Explain function point metric method used to estimate project size. | 5 |
| (C) Explain risk management in detail. | 5 |
| (D) Explain various activities carried out in project planning. | 5 |

UNIT-IV

QUE. 2. SOLVE ANY THREE

- | | |
|--|---|
| (A) What is prototyping? Explain. | 5 |
| (B) What is data dictionary? Explain. | 5 |
| (C) Explain "cold turkey" method in brief. | 5 |
| (D) Explain Gantt Chart. | 5 |



Signature of the Teacher



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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.
BCA I Semester-II (2017-18)
NUMERICAL METHODS Paper-III
Result of Unit Test held on 06/03/2018 on
Unit I and UNIT II**

Name of the teacher: S. M. Sherekar

Sr. NO	Name of the Students	Marks out of 30
1	AKANSHAD.JAWADE	13
2	ANJALIS.DONGRE	22
3	ANJALIC.DHONGADE	21
4	ANKITAS.CHAMBHARE	18
5	APEKSHAA.SOLANKI	17
6	ARPITAH.RAUT	27
7	ARTIP.BHARADWAJ	25
8	DIVYAG.GHODMARE	10
9	DIVYAS. YADAV	15
10	GAYATRIS.URKUDE	13
11	JANHAVIG.YENURKAR	22
12	JYOTIV.SHUKLA	21
13	KANCHANP.APTE	18
14	KRUPAB.MAHALE	17
15	KRUTIKAA.LIMBAD	27
16	KRUTIKAS.RAUT	25
17	MADHAVIN.DHANDE	10
18	MADHURAM.PANDE	15
19	MRUNALIS.BOKADE	13
20	MUSKANS.KAMWANI	22
21	NEHAK.SURVE	21
22	NEHALM.CHANDARANA	22
23	NIKITAY.GOKHALE	21
24	PHALGUNIKHODE	18
25	PINKID.YADAV	17
26	POOJAB.SINGH	27
27	PRANALIA.LICHADE	25
28	PRATIKSHAPIMPALKAR	10
29	PRIYANKAK.DAS	15
30	PUJAS. YADAV	11
31	RADHAD.TRIVEDI	AB
32	RAJNANDINIT.BANGADE	14

33	RITUP. DUBEY	13
34	RIYAR.DHAPODKAR	22
35	RUCHID.PATLE	21
36	SAKSHIC.KHOPE	18
37	SAKSHIR.SONKAR	17
38	SAROJP.JANGID	27
39	SHIVALIS.UMBARKAR	25
40	SHIVANIBAGAL	10
41	SIDDHIS.AWALE	15
42	SIMRANJEETMATHARU	13
43	SUDHAKUMARISHARMA	22
44	TEJASWINIS.DOMDE	26
45	TEJASWINIW.BALKI	12
46	VAISHNAVIS.BHOSALE	11
47	VAISHNAVIHIWARKAR	AB
48	ABHISHEKB.PANDEY	15
49	AJINKYAR.BHISE	27
50	AJINKYAV.DAHAT	13
51	AJINKYAV.DANGE	22
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53	AKSHITKHOBRADE	18
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55	ARPITD.MOTE	27
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96	UDDESHR.KAMBLE	15
97	UTKARSHP.PATHAK	AB

Signature of the Teacher

**Head
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Congress Nagar, Nagpur

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2017-2018
Bachelor of Computer Application (B.C.A) (Semester-II)
NUMERICAL METHODS Paper-III
UNIT TEST on Unit I - II**

[Time: 1 hr .]

[Maximum Marks: 30]

UNIT-I

QUE. 1. SOLVE ANY THREE

1. Discuss the following with example :
 - (i) Polynomial equation
 - (ii) Transcendental equation. 5
2. Find the root of equation $f(x) = x^2 - x - 1 = 0$ by using Bisection Method. 5
3. Use Newton-Raphson Method to find the roots of equation $f(x) = x^3 - 2x - 5 = 0$. 5
4. Distinguish between the Secant and Regula Falsi method. 5

UNIT-II

QUE. 2. SOLVE ANY THREE

1. Explain Matrix inversion method to find solution of n linear equations in n unknowns, and use this method to find solution of following equations :—
 $3x + 4y = 50$
 $5x + 3y = 65$. 5
2. What is Matrix Inversion method ? Explain with example. 5
3. Solve the following system of equations by using Gauss Elimination with Partial Pivoting
 $x_1 + x_2 - 2x_3 = 3$
 $4x_1 - 2x_2 + x_3 = 5$
 $3x_1 - x_2 + 3x_3 = 8$ 5
4. Solve the following system using Gauss-Jordan method :
 $2x_1 + x_2 + x_3 = 7$
 $4x_1 + 2x_2 + 3x_3 = 4$
 $x_1 - x_2 + x_3 = 0$ 5



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**SHRISHIVAJIEDUCATIONSOCIETYAMRAVATI'S
SCIENCECOLLEGE, CONGRESSNAGAR, NAGPUR.
BCA I Semester-II (2017-18)**

NUMERICAL METHODS Paper-III

**Result of Unit Test held on 28/04/2018 on
Unit III and UNIT IV**

Name of the teacher: S.M.Sherekar

Sr. NO	Name of the Students	Marks out of 30
1	AKANSHAD.JAWADE	19
2	ANJALIS.DONGRE	26
3	ANJALIC.DHONGADE	12
4	ANKITAS.CHAMBHARE	11
5	APEKSHAA.SOLANKI	20
6	ARPITAH.RAUT	15
7	ARTIP.BHARADWAJ	27
8	DIVYAG.GHODMARE	13
9	DIVYAS. YADAV	22
10	GAYATRI.URKUDE	21
11	JANHAVIG.YENURKAR	18
12	JYOTIV.SHUKLA	17
13	KANCHANP.APTE	27
14	KRUPAB.MAHALE	25
15	KRUTIKAA.LIMBAD	10
16	KRUTIKAS.RAUT	15
17	MADHAVIN.DHANDE	22
18	MADHURAM.PANDE	25
19	MRUNALIS.BOKADE	22
20	MUSKANS.KAMWANI	18
21	NEHAK.SURVE	16
22	NEHALM.CHANDARANA	13
23	NIKITAY.GOKHALE	25
24	PHALGUNIKHODE	28
25	PINKID. YADAV	25
26	POOJAB.SINGH	20
27	PRANALIA.LICHADE	26
28	PRATIKSHAPIMPALKAR	26
29	PRIYANKAK.DAS	26
30	PUJAS. YADAV	30
31	RADHAD.TRIVEDI	27
32	RAJNANDINIT.BANGADE	16
33	RITUP. DUBEY	19
34	RIYAR.DHAPODKAR	26
35	RUCHID.PATLE	12
36	SAKSHIC.KHOPE	11
37	SAKSHIR.SONKAR	20

38	SAROJP.JANGID	15
39	SHIVALIS.UMBARKAR	27
40	SHIVANIBAGAL	13
41	SIDDHIS.AWALE	22
42	SIMRANJEETMATHARU	21
43	SUDHAKUMARISHARMA	18
44	TEJASWINIS.DOMDE	17
45	TEJASWINIW.BALKI	27
46	VAISHNAVIS.BHOSALE	25
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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2021-2022
Bachelor of Computer Application (B.C.A) (Semester-II)
NUMERICAL METHODS Paper-III
UNIT TEST on Unit III- IV**

[Time: 45 min.]

[Maximum Marks: 30]

UNIT-III

QUE. 1. SOLVE ANY THREE

1. What is least square regression ? Derive normal equations for evaluating the parameters a and b to fit data to straight line $y = a + bx$. 5
2. Estimate $f(1.35)$ using Lagrange's interpolation formula : 5

x	:	1.2	1.3	1.4	1.5
f(x)	:	1.063	1.091	1.119	1.45
3. Fit a straight line $y = a_0 + a_1x$ to the data : 5

x	:	0	1	2	3	4
y	:	1.0	2.9	4.8	6.7	8.6
4. What is multiple linear regression ? Explain. 5

UNIT-IV

QUE. 2. SOLVE ANY THREE

1. Find the value of $\int_1^2 \frac{dx}{x}$ by using Simpson 3/8 rule using $h = 0.25$. 5
2. Evaluate $\int_0^1 \cos x \, dx$ by using Trapezoidal; using value of $h = 0.25$. 5
3. Solve $\int_0^6 \frac{dx}{1+x^2}$ using Simpson 1/3 rule. Divide the interval into 6 subintervals. 5
4. Given the initial value problem : 5
 $\frac{dy}{dx} = y - x$ with $y(0) = 2$
find $y(0.1)$ and $y(0.2)$ by using Runge-Kutta second order method.



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.
BCA I Semester-II (2017-18)
Discrete Mathematics-II
Paper-IV
Result of Unit Test held on 26/02/2018 on
Unit I and UNIT II**

Name of the teacher: Dr. Varsha C. Pande

Sr. No.	Name	Marks out of 30
1	Akansha D. Jawade	6
2	Anjali C. Dhongade	28
3	Ankita Sanjay Chambhare	13
4	Apekshasingh Ashok Solanki	15
5	Arpita Hemant Raut	9
6	Arti Paras Bharadwaj	24
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8	Gayatri Shrikant Urkude	11
9	Hiral Santosh Raikwad	5
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12	Kanchan Pradeep Apte	6
13	Krupa Babanrao Mahale	24
14	Krutika Ashwin Limbad	AB
15	Krutika Suresh Raut	AB
16	Madhavi Naresh Dhande	15
17	Madhura Mukund Pande	5
18	Mrunali Sharad Bokade	18
19	Muskan Sushil Kamwani	21
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34	Ruchi Dwarkaprasad Patle	AB
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58	Akash Vikas Panday	16
59	Akshay Rajesh Khobragade	14
60	Akshit Avinash Khobragade	7
61	Anshul Anand Bhangre	20
62	Arnav C. Andraskar	9
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73	Harshal Kalidas Dhandre	AB
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117	Utkarsh Pravin Pathak	21
118	V Surya Prakash V Nirmal	14
119	Yash Dattaram Nikhare	AB
120	Yash Krishnarao Bade	AB

Signature of the Teacher

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Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2017-2018
Bachelor of computer Application (BCA) (Semester-I)
Paper-IV
DISCRETE MATHEMATICS - II

UNIT TEST

Time: 45 min.]

[Maximum Marks: 30

UNIT-I

QUE. 1. SOLVE ANY THREE

- 1 Give the power set of following:
(i) $\{f, 1\}$ (ii) $\{a, b, c\}$ 5
- 2 Show that for any two finite and non-empty sets A and B;
 $A - (A \cap B) = A - B$. 5
- 3 What do you mean by symmetric difference? Explain with example. Also draw the Venn diagram. 5
- 4 Let $A = \{a, b, c, d\}$. Let R be the relation on A, that has the matrix:
$$M_R = \begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 1 & 1 & 1 & 0 \\ 0 & 1 & 0 & 1 \end{bmatrix}$$
construct the diagraph of R and list the in-degree and out-degree of all vertices. 5

UNIT- II

QUE. 2. SOLVE ANY THREE

- 1 Prove by mathematical induction:
 $1 + 2 + 3 + \dots + n = n(n + 1)/2$. 5
- 2 Explain Pigeon-hole principle. 5
- 3 What do you mean by function? Also explain the following functions:
(i) One to one (ii) Onto (iii) Inverse function. 5
- 4 Find an explicit formula for the sequence defined by $C_n = 3C_{n-1} - 2C_{n-2}$ with initial conditions $C_1 = 5$ and $C_2 = 3$. 5



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.
BCA I Semester-II (2017-18)
Discrete Mathematics-II
Paper-IV
Result of Unit Test held on 27/04/2018 on
Unit III and UNIT IV**

Name of the teacher: Dr. Varsha C. Pande

Sr. No.	Name	Marks out of 30
1	Akansha D. Jawade	23
2	Anjali C. Dhongade	20
3	Ankita Sanjay Chambhare	AB
4	Apekshasingh Ashok Solanki	17
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Science College, Congress Nagar, Nagpur
 Academic Session 2017-2018
 Bachelor of computer Application (BCA) (Semester-II)
DISCRETE MATHEMATICS - II (Paper-IV)

UNIT TEST

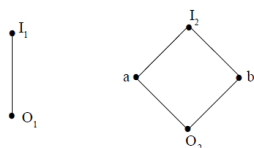
Time: 45 min.]

[Maximum Marks: 30

UNIT-III

QUE. 1. SOLVE ANY THREE

1 Let L_1 and L_2 be lattices shown in following figures. Find $L = L_1 \times L_2$ and draw the Hasse diagram for L : 5



2 Let T be the set of all even integers. Show that the semigroups $(\mathbb{Z}, +)$ and $(T, +)$ are isomorphic. 5

3 Define the following:
 (i) Group (ii) Semigroup
 (iii) Subgroup (iv) Monoid. 5

4 Construct the truth table for the Boolean function $f: B_3 \rightarrow B$ determined by the polynomial:

$$P(x_1, x_2, x_3) = (x_1 \wedge x_2) \vee (x_1 \vee (x_2' \wedge x_3))$$
 5

UNIT- IV

QUE. 2. SOLVE ANY THREE

1 Explain the following:
 (i) labelled tree (ii) undirected tree. 5

2 Let number of edges of graph G be m , then prove that G has a Hamiltonian circuit, if $m \geq \frac{1}{2}(n^2 - 3n + 6)$, where n is the number of vertices. 5

3 Explain with the help of example:
 (i) directed graph (ii) null graph (iii) complete graph
 (iv) linear graph (v) weighted graph. 5

4 Prove that: If a graph G has more than two vertices of odd degree, then there can be no Euler path in G . 5

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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.**

Bachelor of Computer Application

B.C.A. I Semester-I (2017-18)

LINUX OPEARTING SYSTEM Paper-V

Result of Unit Test held on 16/02/2018 on Unit I & II

Name of the teacher: Trishala Kanholikar

Sr. NO	Name of the Students	Marks out of 30
1	AKANSHA D. JAWADE	21
2	ANJALI S. DONGRE	14
3	ANJALI C. DHONGADE	24
4	ANKITA S. CHAMBHARE	20
5	APEKSHA A. SOLANKI	15
6	ARPITA H. RAUT	17
7	ARTI P. BHARADWAJ	26
8	DIVYA G. GHODMARE	26
9	DIVYA S. YADAV	10
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11	JANHAVI G. YENURKAR	17
12	JYOTI V. SHUKLA	22
13	KANCHAN P. APTE	17
14	KRUPA B. MAHALE	22
15	KRUTIKA A. LIMBAD	29
16	KRUTIKA S. RAUT	26
17	MADHAVI N. DHANDE	14
18	MADHURA M. PANDE	25
19	MRUNALI S. BOKADE	27
20	MUSKAN S. KAMWANI	26
21	NEHA K. SURVE	28
22	NEHAL M. CHANDARANA	10
23	NIKITA Y. GOKHALE	23
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97	UTKARSH P. PATHAK	30

Signature of the Teacher

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Shri Shivaji Education Society Amravati's
Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2017-2018

B.C.A. I Semester-I (2017-18)

LINUX OPERATING SYSTEM-V

UNIT I & UNIT II

[Time: 48 min.]

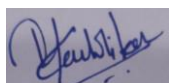
[Maximum Marks: 30]

Que 1] Solve any three questions.

1. Explain gzip and gunzip command with example 5
2. Give syntax, purpose and example of the following commands: 5
(i) cat (ii) cp (iii) rm (iv) ls (v) mkdir
3. Write short note on spawning process 5
4. Explain file system in Linux. 5

Que 2] Solve any three questions

1. Explain tar command with example. Also explain restoration of file system 5
2. Write steps for sending files to printers in LINUX. 5
3. Explain how files are compressed and uncompressed using gunzip and gzip command. 5
4. Explain command and insert mode in Vi editor. 5



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Bachelor of Computer Application

B.C.A. I Semester-I (2017-18)

LINUX OPEARTING SYSTEM Paper-V

Result of Unit Test held on 19/03/2018 on Unit III & IV

Name of the teacher: Trishala Kanholikar

Sr. NO	Name of the Students	Marks out of 30
1	AKANSHA D. JAWADE	21
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**Shri Shivaji Education Society Amravati's
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Academic Session 2017-20218**

B.C.A. II Semester-II (2017-18)

LINUX OPERATING SYSTEM Paper-I

UNIT III

Que 1. Solve any three

1. Write steps to create group account. 5
2. Explain different types of processes in LINUX. Explain with example.
5
3. Which commands are used for creating and maintaining user accounts in LINUX ?
5

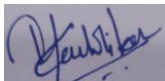
1. Explain the following LINUX commands with its options and example :

- (i) kill (ii) free 5

UNIT IV

Que 2. Solve any three

1. Explain KDE and GNOME desktop environment. 5
2. Differentiate between df and du command. Give an example of each. 5
3. Explain the following commands with example : 5
(i) wall (ii) talk (iii) write (iv) mesg (v) finger.
4. Explain in brief KDE and GNOME desktop environment. 5



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

BCA I Semester-II (2017-18)

Electronic Commerce Paper-VI

Result of Unit Test held on 21/4/2018 on Unit I and Unit II

Name of the teacher: Manisha M. Chawale

Sr. No.	Name	Marks out of 30 in Unit I-II
1	Akansha D. Jawade	AA
2	Anjali C. Dhongade	20
3	Ankita Sanjay Chambhare	17
4	Arpita Hemant Raut	AA
5	A. Ashok Solanki	10
6	Arti Paras Bharadwaj	21
7	Divya Sudhir Yadav	21
8	Gayatri Shrikant Urkude	AA
9	Hiral Santosh Raikwad	AA
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12	Kanchan Pradeep Apte	11
13	Krupa Babanrao Mahale	21
14	Krutika Ashwin Limbad	16
15	Krutika Suresh Raut	27
16	Madhavi Naresh Dhande	19
17	Madhura Mukund Pande	21
18	Mrunali Sharad Bokade	10
19	Muskan Sushil Kamwani	22
20	Neha Kishorrao Surve	AA
21	Nehal Manoj Chandarana	21
22	Nikita Yashwant Gokhale	8
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96	Saurabh Raju Patil	15
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Signature of the Teacher

[Handwritten Signature]

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Academic Session 2017-2018
Bachelor of Computer Application (B.C.A) (Semester-II)
Electronic Commerce Paper-VI
UNIT TEST on Unit I - II**

[Time: 45 min.]

[Maximum Marks: 30]

UNIT-I


QUE. 1. SOLVE ANY THREE QUESTIONS:

1. What is E-Commerce? Explain 4 P's in the context of marketing strategy. 5
2. Explain Porter's Value chain model. 5
3. Explain the concept of e-Market. 5
4. Explain the role of Internet in Ecommerce. 5

UNIT-II

QUE. 1. SOLVE ANY THREE QUESTIONS:

1. What is value chain and supply chain? Explain. 5
2. Explain the factors that need to be considered in developing business strategy. 5
3. Discuss the requirement of e-business along with challenges 5
4. What are the competitive advantages using e commerce 5



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BCA I Semester-II (2017-18)

Electronic Commerce Paper-VI

Result of Unit Test held on 14/2/2018 on Unit III and Unit IV

Name of the teacher: Manisha M. Chawale

Sr. No.	Name	Marks out of 30 in Unit III-IV
1	Akansha D. Jawade	17
2	Anjali C. Dhongade	24
3	Ankita Sanjay Chambhare	7
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UNIT TEST on Unit III - IV**

[Time: 45 min.]

[Maximum Marks: 30]

UNIT-III

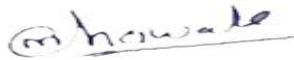
QUE. 1. SOLVE ANY THREE

- | | |
|--|---|
| 1.Explain Inter-organizational transaction. | 5 |
| 2.What is electronic market ? Give its advantages. | 5 |
| 3.What are the pens and things in electronic market. | 5 |
| 4.Define i)EDI ii) Business to Business Ecommerce | 5 |

UNIT-IV

QUE. 1. SOLVE ANY THREE

- | | |
|---|---|
| 1 Define E shop and Internet e commerce | 5 |
| 2. Explain E commerce technology. | 5 |
| 3. Give the advantages and disadvantages of consumer e commerce | 5 |
| 4.What is internet e commerce security? | 5 |



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