

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

Bachelor of Computer Application

B.C.A. II Semester-IV (2023-24)

Software Engineering – I Paper-I

Result of Unit Test held on 13/03/2024 on Unit I & II

Name of the teacher: Anjali Milind Pakhidde

Sr. no	Name of Students	Marks out of 30
1	AACHAL RAJNAND ARVERKAR	23
2	AAYUSH RAJENDRA TAREKAR	14
3	ABHISHEK SANJAY THOKAL	25
4	ADITYA KAILAS MANE	10
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121	SHLOK YADAV	23

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. II Semester-IV (2023-24)

**Software Engineering Paper-I
UNIT I**

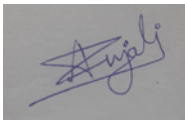
Que 1. Solve any three

1. Explain Capability Maturity Model Integration (CMMI) in brief. 5
2. What is Software Engineering? Explain evolving role of Software. 5
3. Explain different changing nature of software. 5
4. Differentiate between personal and team process models 5

UNIT II

Que 2. Solve any three

1. Explain waterfall model with its diagram. 5
2. Explain any one evolutionary process model in detail. 5
3. Explain functional and non-functional requirements with example. 5
4. Explain unified process in detail. 5



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Bachelor of Computer Application

B.C.A. II Semester-IV (2023-24)

Software Engineering – I Paper-I

Result of Unit Test held on 29/04/2024 on Unit III & IV

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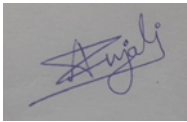
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Academic Session 2023-2024
B.C.A. II Semester-IV (2023-24)
Software Engineering Paper-I
UNIT III**

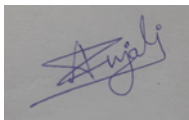
Que 1. Solve any three

- | | |
|--|---|
| 1. Explain data models in detail. | 5 |
| 2. What is Feasibility Study ? Explain need of Feasibility study | 5 |
| 3. Explain requirement validations for engineering process. | 5 |
| 4. Explain context model in detail. | 5 |

UNIT IV

Que 2. Solve any three

- | | |
|--|---|
| 1. Explain architecture in Design concept. | 5 |
| 2. Explain principles of designing output. | 5 |
| 3. What are different elements considered in designing software ? | 5 |
| 4. Explain Data Design elements and architectural design elements in detail. | 5 |



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.
BCA II Semester-IV(2023-24)
SUBJECT Paper-II
Result of Unit Test held on 14/03/2024 on
Unit I and UNIT II**

Name of the teacher: R.D.Bagal

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D. Bagal

[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)
SQL & PL/SQL Paper-II
UNIT TEST on Unit I - II**

[Time: 45 min.]

[Maximum Marks: 30]

UNIT-I

QUE. 1. SOLVE ANY THREE

- | | | |
|----|--|---|
| 1. | Write a short note on 'sequence' database object in ORACLE. | 5 |
| 2. | What are data types in SQL ? Explain with an example. | 5 |
| 3. | What are DML statements ? Give the purpose and syntax of each. | 5 |
| 4. | Write a note on the following : (i) Date (ii) Aggregate. | 5 |

UNIT-II

QUE. 2. SOLVE ANY THREE

- | | | |
|----|--|---|
| 1. | What is a view ? Write the rules for updating views. Also write down the syntax and example for updating a view. | 5 |
| 2. | Write a program in PL/SQL to swap the values of two variables without using a third variable. | 5 |
| 3. | Write short notes on object view and read only view. | 5 |
| 4. | Write a PL/SQL code to find the largest of three number. | 5 |



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BCA II Semester-IV(2023-24)

SUBJECT - PL SQL

Result of Unit Test held on 30 /04/2024on

Unit III and UNIT IV

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32	RUCHIKASHANKARMESHAM	22
33	SAMIKSHANAREDRANAKSHANE	25
34	SAMIKSHAPRAKASHDUPARE	25
35	SANCHALIRAMKRUSHNADHOTE	22
36	SANJANAVINODWELE	25
37	SHRAVANIVINODDESHMUKH	24
38	SHREYALAHUWAGH	24
39	SHRUSTIRAJESHAMTEKE	25
40	SHWETABALKRUSHNABADKHAL	25
41	SNEHASANDIPWASNIK	20
42	SNEHALRAVINDRA RAJGE	13
43	TANUSHREERAMJAUJKAR	18
44	TANUSHREEREVNATHKOLHEKAR	22
45	TANVIDINESHTURKAR	12
46	TANVIRAJEEVDEDHE	15
47	TEJASWINIPUNDLIKYEKUDE	20
48	TRINKALSANJAYDHALE	19
49	TRUPTIASHOKPATLE	17
50	TULSIUMAKANTMALGHATE	23
51	VAIBHAVICHANDRASHEKHARMESHAM	18
52	VAIBHAVIDHANPALPATLE	14
53	VAISHALIMADHUKARCHAUDHARI	17
54	VAISHNAVISUNILGAIKWAD	10
55	VANSHIKAAARUNKHANDATE	14
56	YASHASHREERAMESHRAOPADWE	19
57	AAYUSHRAJENDRATAREKAR	23
58	ABHISHEKSANJAYTHOKAL	14
59	ADITYAKAILASMANE	10

60	ALKESHARUNMAHAMUNE	21
61	ANUPAMRAKESHPANDEY	17
62	ANURAGGANESHMASRAM	21
63	ANURAGRAJESHWASNIK	16
64	AYUSHBABANPAWAR	25
65	AYUSHRAJESH DUBEY	23
66	DARSHANSUDESHKAMBLE	19
67	DEVASHISHSANTOSHTEMBHARE	10
68	EKNATH VIJAYKAPSE	10
69	GAURAVLAXMICHANDRAHANGDALE	24
70	HARSHASHISHKSHIRSAGAR	22
71	HARSHHARISHGAIKWAD	16
72	HARSHALRAJUDAF	19
73	HIMANSHUYASHWANTGAI DHANE	9
74	KALASHSUKRAMGONDHULE	17
75	KARTAVYAPRAKASHBADGE	9
76	KARTIKSUDHAKARBAMBAL	12
77	KOMALKAILASHPATIYE	12
78	KRUNALAJAYKUHITH	16
79	MANASSHAILENDRAKOKATE	24
80	MOINABDULWAHIDKHAN	9
81	MUGHEESURRAHMANS HAFI QURRAHMANANSA	12
82	MUSHFIQUEMEBOOBALI	23
83	NILESHHIRJISHAHARE	13
84	NITESHNEHRULAL PATRE	11
85	OMPANKAJTHORAT	18
86	PAWANKUMARRAMKISHORGOKHE	16
87	PIYUSHCHANDRAMANIKHANDEKAR	24
88	PRAJWALASHOKRAOCHAUDHARI	9
89	PRANAYVAISRAJGEDAM	21
90	PRANJALRAJESHAMBULKAR	20
91	PRASHANTKISANAJHIRUDKAR	21
92	PRATHMESHSHRAWANZADE	10
93	PRATIKTULSHIRAMBHUJADE	25

94	PUJANSANJAYSHAHARE	20
95	PUSHPAKANILTAMBULKAR	14
96	REHANSHAHEJADFARUKI	18
97	RUPESHRAJENDRAGHUMRE	12
98	SAGARSUNILKALBANDHE	18
99	SAHILGANESHBHEDE	12
100	SAHILRAVINDRA CHOUDHARY	10
101	SANKETKISHORTIKHADE	21
102	SARANGNARENDRABURDE	24
103	SARVESH RAMESH SAHARE	10
104	SAURABHGANESHGAIKWAD	23
105	SAYYAMSHYAMKUMARCHICKHEDE	19
106	SHARDULSUDHIRGARADE	13
107	SHIVAMRAMESHNACHANKAR	18
108	SIDDHESH SUBHASHRAOGUHE	12
109	TANMAYPREMGOPALMALGHATE	22
110	TEJASDNYANESHWARWANKHEDE	18
111	TUSHARBHAUJIBAGADE	10
112	VIKASNAMDEOSANAP	17
113	YASHNARESHSONBARSE	18
114	YASHPRAVINKHARABE	12

D. Bagal

Signature of the Teacher

[Signature]

**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-II)
SQL & PL/SQL Paper-II
UNIT TEST on Unit III- IV

[Time: 45 min.]

[Maximum Marks: 30]

UNIT-III

QUE. 1. SOLVE ANY THREE

- (a) What is a cursor ? Explain the different types of cursors. 5
- (b) Write an example to show the exception that is raised in the inner block and handled in the outer block. 5
- (c) Write the difference between : (i) procedure and function (ii) predefined exception and user defined exception. 5
- (d) Explain procedures having parameters with example. 5

UNIT-IV

QUE. 2. SOLVE ANY THREE

- (a) What are functions and their purity levels ? Explain with an example . 5
- (b) Write a trigger on the Employee table, which makes the entry in the name column in upper case : Employee (name, age, city, salary) 5
- (c) Explain various types of triggers giving suitable example. 5
- (d) Create a function that returns the updated salary of an employee on the basis of employee number. Increase the salary by 10%.. 5



Signature of the Teacher



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

BCA II Semester-IV (2023-24)

Theory of Computation

Paper-III

Result of Unit Test held on 30/04/2024 on

Unit I and Unit II

Name of the teacher: Dr. Varsha C. Pande

Sr. No.	Name	Marks out of 30
1	Aachal Rajnand Arverkar	19
2	Aishwarya Namdev Latkar	13
3	Akanksha Ajaykumar Shende	16
4	Anshu Gunwant Yekude	13
5	Anuja Vilas Zade	19
6	Archana Tejram Sharnagate	12
7	Chetana Sunil Hedau	AB
8	Harshali Ashok Takalkhede	20
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11	Karina Parasram Atrahe	14
12	Khushee Udelal Pardhi	19
13	Khushi Ashok Ghate	21
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15	Leena Murlidhar Yenkar	21
16	Mahima Rajendra Bhasmote	10
17	Mai Ramdas Bansod	11
18	Namrata Pramod Thaware	22
19	Nandini Pravin Suryawanshi	10
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22	Neha Vijay Vaidya	16
23	Nidhi Komal Chandel	AB
24	Nikita Satish Waratkar	28
25	Prachi Dnyaneshwar Barde	13
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27	Pranali Prabhakar Nagpure	19
28	Pranjali Chandrakant Katre	21
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36	Sanjana Vinod Wele	AB
37	Shravani Vinod Deshmukh	25
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62	Anurag Ganesh Masram	6
63	Anurag Rajesh Wasnik	8
64	Ayush Baban Pawar	AB
65	Ayush Rajesh Dubey	AB
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Signature of the Teacher



**Head
Department of Computer Science**



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Congress Nagar, Nagpur

Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
 Academic Session 2023-2024
 Bachelor of computer Application (BCA) (Semester-IV)
 Paper-III
THEORY OF COMPUTATION
UNIT TEST

Time: 45 min.]

[Maximum Marks: 30

UNIT-I

QUE. 1. SOLVE ANY THREE

- 1 Build a DFA for the following language.
 $L = \{w \mid w \text{ is a binary string that contains } 01 \text{ of a substring}\}$ 5
- 2 Define NFA and prove equivalence of DFA and NFA. 5
- 3 Build a DFA for the following language over the alphabets $\{0, 1\}$: of the set of all strings such that each block of five consecutive symbols contains at least two 0's. 5
- 4 Construct DFA for the following NFA:

	0	1
$\rightarrow p$	{p, q}	{p}
q	{r}	{r}
r	{s}	ϕ
*s	{s}	{s}

5

UNIT- II

QUE. 2. SOLVE ANY THREE

- 1 State and prove the theorem of pumping lemma for regular set. 5
- 2 Prove the context free grammar accepts the word palindrome over the alphabets $\{0, 1\}$. 5
- 3 Explain the closure properties of regular set. 5
- 4 Define CFG and give applications of CFG and CFL. 5



Signature of the Teacher



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 Congress Nagar, Nagpur

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

BCAII Semester-IV (2023-24)

Theory of Computation

Paper-III

Result of Unit Test held on 19/04/2024 on

Unit III and Unit IV

Name of the teacher: Dr. Varsha C. Pande

Sr. No.	Name	Marks out of 30
1	Aachal Rajnand Arverkar	21
2	Aishwarya Namdev Latkar	AB
3	Akanksha Ajaykumar Shende	18
4	Anshu Gunwant Yekude	10
5	Anuja Vilas Zade	26
6	Archana Tejram Sharnagate	13
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67	Devashish Santosh Tembhare	10
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89	Pranay Vaisraj Gedam	14
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92	Prathmesh Shrawan Zade	18
93	Pratik Tulshiram Bhujade	16
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95	Pushpak Anil Tambulkar	9
96	Rehan Shahejad Faruki	AB
97	Rupesh Rajendra Ghumre	AB
98	Sagar Sunil Kalbandhe	19
99	Sahil Ganesh Bhede	21
100	Sahil Ravindra Choudhary	23
101	Sanket Kishor Tikhade	AB
102	Sarang Narendra Burde	7
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107	Shivam Ramesh Nachankar	13
108	Siddhesh Subhashrao Guhe	27
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112	Vikas Namdeo Sanap	24
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115		



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 2023-2024
Bachelor of computer Application (BCA) (Semester-IV)
Paper-III
THEORY OF COMPUTATION

UNIT TEST

Time: 45 min.]

[Maximum Marks: 30

UNIT-III

QUE. 1. SOLVE ANY THREE

- 1 Show that the following language is not context free,
 $L = \{a_n b_n c_n \mid n \leq m \leq 2n\}$. 5
- 2 Explain the following:
(i) Chomsky Normal Form
(ii) Greibach Normal Form. 5
- 3 Explain pumping lemma for Context free Grammar. 5
- 4 Prove any two decision properties of context free languages. 5

UNIT- IV

QUE. 2. SOLVE ANY THREE

- 1 Explain push down Automata. 5
- 2 Construct a PDA accepting $L = \{W \subset W^T \mid W \in \{a, b\}^*\}$ by final state. 5
- 3 Prove that context free languages are closed under union. 5
- 4 Prove that for every CFL, there exists an equivalent push down automata. 5



Signature of the Teacher



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

BCA II Semester-IV(2023-24)

Operation Research-II Paper-IV

Result of Unit Test held on 1/10/2023on

Unit I and Unit II

Name of The Teacher: -A.U. Bansinge

Sr. No.	Name	Marks out of 30
1	AACHAL RAJNAND ARVERKAR	18
2	AAYUSH RAJENDRA TAREKAR	12
3	ABHISHEK SANJAY THOKAL	11
4	ADITYA KAILAS MANE	18
5	AISHWARYA NAMDEV LATKAR	20
6	AKANKSHA AJAYKUMAR SHENDE	25
7	ALKESH ARUN MAHAMUNE	26
8	ANSH MOHAN PIMPLE	28
9	ANSHU GUNWANT YEKUDE	22
10	ANUJA VILAS ZADE	21
11	ANUPAM RAKESH PANDEY	30
12	ANURAG GANESH MASRAM	25
13	ANURAG RAJESH WASNIK	28
14	ARCHANA TEJRAM SHARNAGATE	27
15	AYUSH BABAN PAWAR	24
16	AYUSH RAJESH DUBEY	15
17	CHETNA SUNIL HEDAU	11
18	DARSHAN SUDESH KAMBLE	15

19	DEVASHISH SANTOSHKUMAR TEMBHARE	19
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24	HARSHAL RAJU DAF	25
25	HARSHALI ASHOK TAKALKHEDE	18
26	HIMANSHU YASHWANT GAIDHANE	12
27	ISHWESHWARI RAJENDRA THAKRE	11
28	KAJAL ASHOK UMARE	18
29	KALASH SUKRAM GONDHULE	20
30	KARINA PARASRAM ATRAHE	25
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37	KRUNAL AJAY KUHITE	28
38	LEENA MURLIDHAR YENKAR	27
39	MAHIMA RAJENDRA BHASMOTE	24
40	MAI RAMDAS BANSOD	15
41	MANAS SHAILENDRA KOKATE	11
42	MOIN ABDUL WAHID KHAN	15
43	MUGHEES UR SHAFIQR RAHMAN ANSARI	19
44	MUSHFIQUE MEHBOOB ALI	20
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50	NIDHI KOMAL CHANDEL	12
51	NIKITA SATISH WARATKAR	11
52	NILESH HIRJI SHAHARE	18
53	NISARGA SANJAY HADKE	20
54	NITESH NEHARULAL PATRE	25
55	OM PANKAJ THORAT	26
56	PAWAN HOMRAJ SATPUTE	28
57	PAWANKUMAR RAMKISHOR GOKHE	22
58	PAYAL JAYENDRA AMBULE	21
59	PIYUSH CHANDRAMANI KHANDEKAR	23
60	PRACHI DNYANESHWAR BARDE	25
61	PRACHI MAHESH HULKE	28
62	PRAJWAL ASHOKRAO CHAUDHARI	27
63	PRANALI PRABHAKAR NAGPURE	24
64	PRANAY VAISRAJ GEDAM	15
65	PRANJAL RAJESH AMBULKAR	11
66	PRANJALI CHANDRAKANT KATRE	15
67	PRASHANT KISANAJI HIRUDKAR	19
68	PRATHMESH SHRAWAN ZADE	20
69	PRATIK TULSHIRAM BHUJADE	21
70	PRITI BIJENDRA PANDEY	23
71	PUJAN SANJAY SHAHARE	24
72	PUSHPAK ANIL TAMBULKAR	25
73	RAJNI MANOJRAO PISE	18
74	REHAN SHAHEJAD FARUKI	12
75	RISHITA ASHOK RAUT	11
76	RUCHIKA SHANKAR MESHRAM	18
77	RUPESH RAJENDRA GHUMARE	20
78	SAGAR SUNIL KALBANDHE	25
79	SAHIL GANESH BHEDE	26
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81	SAMIKSHA NARENDRA NAKSHANE	22
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85	SANKET KISHOR TIKHADE	28
86	SARANG NARENDRA BURDE	27
87	SARVESH RAMESH SAHARE	24
88	SAURABH GANESH GAIKWAD	15
89	SAYYAM SHYAMKUMAR CHICKHEDE	11
90	SHARDUL SUDHIR GARADE	15
91	SHIVAM RAMESH NACHANKAR	19
92	SHRAVANI VINOD DESHMUKH	20
93	SHREYA LAHU WAGH	21
94	SHRUSTI RAJESH RAMTEKE	23
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112	VAISHALI MADHUKAR CHAUDHARI	15
113	VAISHNAVI SUNIL GAIKWAD	11
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116	VIKAS NAMDEO SANAP	20
117	YASH NARESH SONBARSE	21
118	YASH PRAVIN KHARABE	23
119	YASHASHREE RAMESHRAO PADWE	24
120	Shlok Yadav	22
121	Anurag Mishra	21

Signature

Signature of the Teacher

Signature

**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-IV)
Operation Resarch-II, Paper-IV
UNIT TEST on Unit I - II**

[Time: 45 min.]

[Maximum Marks: 30]

UNIT-I

QUE. 1. SOLVE ANY THREE

- | | |
|--|---|
| 1.Explain Game theory with its assumption. | 5 |
| 2.Explain the method of Games without saddle point | 5 |
| 3.Write the application of game theory | 5 |
| 4. Explain the graphical method for $2*n$ games | 5 |

UNIT-II

QUE. 1. SOLVE ANY THREE

- | | |
|--|---|
| 1.Define Event, activity, looping, Dangling. | 5 |
| 2. Explain Different time estimates made for each activity for PERT. | 5 |
| 3.State the difference between CPM and PERT | 5 |
| 4.Write down the rules for network construction. | 5 |



Signature of the Teacher



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 II Semester-IV(2023-24)

Operation Research-II Paper-IV

Result of Unit Test held on 9/2/2023 on

Unit III and Unit IV

Name of The Teacher: -A.U. Bansinge

Sr. No.	Name	Marks out of 30
1	AACHAL RAJNAND ARVERKAR	18
2	AAYUSH RAJENDRA TAREKAR	12
3	ABHISHEK SANJAY THOKAL	11
4	ADITYA KAILAS MANE	18
5	AISHWARYA NAMDEV LATKAR	20
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11	ANUPAM RAKESH PANDEY	30
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26	HIMANSHU YASHWANT GAIDHANE	12
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Signature of the Teacher



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

[Time: 45 min.]

[Maximum Marks: 30]

UNIT-III

QUE. 1. SOLVE ANY THREE

- | | |
|---|---|
| 1.Explain Game theory with its assumption. | 5 |
| 2.What is Queing Theory?Explain | 5 |
| 3.Write the application of game theory | 5 |
| 4. Explain the graphical method for $2*n$ games | 5 |

UNIT-IV

QUE. 1. SOLVE ANY THREE

- | | |
|--|---|
| 1.Define Event, activity, looping, Dangling. | 5 |
| 2. Explain Different time estimates made for each activity for PERT. | 5 |
| 3.State the difference between CPM and PERT | 5 |
| 4.Write down the rules for network construction. | 5 |



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
Bachelor of Computer Application (B.C.A) (Semester-IV)
Sub-Webtechnology-II
Result of Unit Test Held on 16-2-24
UNIT TEST on Unit I ,UNIT-II**

Name of Teacher –Manisha Kongre

Sr. No.	Name	Marks out of 30
1	AACHAL RAJNAND ARVERKAR	18
2	AAYUSH RAJENDRA TAREKAR	12
3	ABHISHEK SANJAY THOKAL	AB
4	ADITYA KAILAS MANE	18
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118	YASH PRAVIN KHARABE	26
119	YASHASHREE RAMESHRAO PADWE	18
120	Shlok Yadav	20
121	Anurag Mishra	25

Mishra

Signature of the Teacher

[Signature]

**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-IV)
Paper- V
WEB-TECHNOLOGY-II
UNIT TEST on Unit I - II

[Time: 45 min.]

[Maximum Marks: 30

Q.1 UNIT-I

Solve Any Three

- A. What are different loops used in JavaScript? Explain any two loops with example. [05]
B. Explain JSP life cycles in detail. [05]
C. Explain various method and properties of Document object in JavaScript with example. [05]
D. Write short notes on
(i) String object
(ii) Date object [05]

Q.2 UNIT-II

Solve Any Three

- A. Explain JSP standard tag Library. [05]
B. Explain JSP exceptions. [05]
C. Explain different tags used in JSP. [05]
D. Write a note on javascript security. [05]



Signature of the Teacher



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Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
Bachelor of Computer Application (B.C.A) (Semester-IV)
Sub-Webtechnology-II
Result of Unit Test Held on 22-4-24
UNIT TEST on Unit III ,UNIT-IV**

Name of Teacher-Manisha Kongre

Sr. No.	Name	Marks out of 30
1	AACHAL RAJNAND ARVERKAR	18
2	AAYUSH RAJENDRA TAREKAR	12
3	ABHISHEK SANJAY THOKAL	AB
4	ADITYA KAILAS MANE	18
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121	Anurag Mishra	25

(Handwritten Signature)

Signature of the Teacher

(Handwritten Signature)

**Head
Department of Computer Science**



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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-IV)
Paper- V
WEB-TECHNOLOGY-II
UNIT TEST on Unit III - IV**

[Time: 45 min.]

[Maximum Marks: 30

Q.1 UNIT-III

Solve Any Three

- A. Explain Subroutine and function in VB Script . [05]
B. How would you add VB Script code to HTML? Explain. [05]
C. Explain how one can manage report of website. [05]
D. Explain any two datatype used in vbscript. [05]

Q.2 UNIT-IV

Solve Any Three

- A. Explain WSDL structure along with its element [05]
B. Explain representation state transfer based web services [05]
C. Differentiate between SOAP and REST [05]
D. What is web service? Explain different standards used for web services [05]



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

**Department of Computer Science
BCA II Semester-III (2023-24)
DIGITAL ELECTRONICS—I Paper—VI**

Result of Unit Test held on 26/02/2024 on Unit I & Unit II

Name of the teacher: Amruta J. Thakur

S.N.	Name of Students	Marks out of 30
1.	AACHAL RAJNAND ARVERKAR	17
2.	AISHWARYA NAMDEV LATKAR	12
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25.	PRACHI DNYANESHWAR BARDE	19
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111.	TUSHAR BHAUJI BAGADE	22
112.	VIKAS NAMDEO SANAP	25
113.	YASH NARESH SONBARSE	23
114.	YASH PRAVIN KHARABE	11



Signature of the Teacher



**Head
Department of Computer Science**



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

Science College, Congress Nagar, Nagpur
Academic Session 2023-2024
BCA II Semester-III
DIGITAL ELECTRONICS—II Paper—V
UNIT TEST on Unit I & Unit II

Time: 45 min

[Maximum Marks 30]

1. Solve any three questions:

(a) What is Half Adder ? Explain the construction and working of full Adder circuit using Logic gates. 5

(b) Draw logic diagram for 4:1 multiplexer using gates and explain its truth table.

5

(c) What is parallel Adder ? Explain the construction and working of 4-bit binary Adder circuit.

5

(d) What is decoder ? Explain the construction and working of 2:4 decoder with logic gates.

5

2. Solve any three questions:

(a) Explain the construction and working of 4-bit up-counter with its timing diagram.

5

(b) What is Flip-Flop ? Explain the construction and working of Clocked RS-FF using NAND gates. 5

(c) What is counter ? Explain the construction and working of 3-bit down counter.

5

(d) What is modulus of counter ? Explain decode counter in brief.

5



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

**Department of Computer Science
BCA II Semester-III (2023-24)
DIGITAL ELECTRONICS—II Paper—IV**

Result of Unit Test held on 26/04/2024 on Unit I & Unit II

Name of the teacher: Amruta J. Thakur

S.N.	Name of Students	Marks out of 30
1.	AACHAL RAJNAND ARVERKAR	17
2.	AISHWARYA NAMDEV LATKAR	12
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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2017-2018 BCA II Semester-III
DIGITAL ELECTRONICS—II
UNIT TEST on Unit III & Unit IV**

Time: 45 min

[Maximum Marks: 30]

1. Solve any three questions:

(a) What is Addressing Mode ? Explain any two addressing modes of 8086 mp with suitable examples.

5

(b) What is flag ? Explain flag register of 8086 mp in detail. 5

(c) Explain the function of following pins of 8086 microprocessor : (i) ALE (ii) READY (iii) TEST.

5

(d) Explain the general purpose registers in 8086. 5

2. Solve any three questions:

(a) What are the different Arithmetic group instructions available in 8086 mp ? Explain any two arithmetical group instructions with example. 5

(b) Write an ALP using instructions of 8086 mp to find an Average of an array containing five 8 bit numbers.

5

(c) What is Assembler directives ? Explain any two assembler directives in detail.

(d) Write an ALP to find factorial of given 8-bit number. 5



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