

Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Department of Computer Science
M. Sc. Semester – I (Computer Science) Session 2018-2019
Unit Test - I

Name of Teacher: Ms. V.C.Pande

Date: 11/09/2018

Subject: Discrete Mathematical Structure (Paper I)

Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Amit Girish Paliwal	18
2.	Ankita C Bandhekar	13
3.	Faraz Mohammad Iqbal Sayyed	16
4.	Gaurav Prabhakar Salwatkar	13
5.	Indrayani Parshuramkar	17
6.	Juhi Vijay Wadnerkar	14
7.	Ketaki Kumeriya	16
8.	Khyati Ghanshyam Patel	Absent
9.	Komal Gopal Thawkar	12
10.	Leena Praful Chauhan	Absent
11.	Minakshi Subhash Hatwar	14
12.	Namrata Vasant Rahangdale	13
13.	Nikita S. Katole	16
14.	NileshBhanuNayak	14
15.	NilimaHarichndraBalbudhe	13
16.	PallaviKashinathLonkar	16
17.	PrachiManoj Singh	18
18.	Prajakta Sanjay Puranik	13
19.	PrajwalThakare	16
20.	PratikshaKhemrajZure	13
21.	PriyankaBabulalJangid	18
22.	RashmiRewaramNanhe	13
23.	Roshan Sanjay Bhalshankar	16
24.	RupalDewajiGumgaonkar	13
25.	SagarMahipalMotghare	17
26.	Sameer Anil Deshmukh	14
27.	SampadaAvinashSalphale	16
28.	Sana Parveen Sheikh	Absent
29.	ShivaniPramodPawade	12
30.	ShraddhaSubodhWasnik	Absent
31.	ShubhamDevidasDamedhar	14
32.	ShubhamNandkishorRakas	13
33.	ShwetaRavindraDhanorkar	16
34.	Surabhi Sanjay Wasnik	12

35.	Swati Kaushlendra Mishra	16
36.	Vaibhav Sanjay Hirekhan	13
37.	Vaishnavi Vishnu Makde	17
38.	Yogita Ajit Kaushal	12



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
Department of Computer Science
M.Sc. Semester-I (Computer Science) Session 2018-2019
Discrete Mathematical Structure (Paper I)
Unit Test - I**

Time: 1 hour]

[Maximum Marks:20

Q1. Answer the Following (Any 2)

- | | |
|--|---|
| A. Explain all Normal Forms? | 8 |
| B. Explain the pigeonhole Principle ? | 8 |
| C. Explain Logical proposition & Logical operations? | 8 |
| D. Explain the Warshall's Algorithms with example ? | 8 |

Q2. Answer the Following (Any 1)

- | | |
|---|---|
| A. Explain all Sets and subsets Forms? | 4 |
| B. Write the Equivalence Relations? | 4 |
| C. Explain Logical proposition in detail? | 4 |



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
Department of Computer Science
M. Sc. Semester – I (Computer Science) Session 2018-19
Unit Test - II

Name of Teacher: Ms. V.C.Pande

Date: 17/10/2018

Subject: Discrete Mathematical Structure (Paper I)

Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Amit Girish Paliwal	Absent
2.	Ankita C Bandhekar	13
3.	Faraz Mohammad Iqbal Sayyed	17
4.	Gaurav Prabhakar Salwatkar	14
5.	Indrayani Parshuramkar	13
6.	Juhi Vijay Wadnerkar	16
7.	Ketaki Kumeriya	18
8.	Khyati Ghanshyam Patel	17
9.	Komal Gopal Thawkar	Absent
10.	Leena Praful Chauhan	16
11.	Minakshi Subhash Hatwar	Absent
12.	Namrata Vasant Rahangdale	13
13.	Nikita S. Katole	17
14.	NileshBhanuNayak	14
15.	NilimaHarichndraBalbudhe	13
16.	PallaviKashinathLonkar	18
17.	PrachiManoj Singh	13
18.	Prajakta Sanjay Puranik	16
19.	PrajwalThakare	13
20.	PratikshaKhemrajZure	17
21.	PriyankaBabulalJangid	14
22.	RashmiRewaramNanhe	16
23.	Roshan Sanjay Bhalshankar	Absent
24.	RupalDewajiGumgaonkar	12
25.	SagarMahipalMotghare	Absent
26.	Sameer Anil Deshmukh	14
27.	SampadaAvinashSalphale	13
28.	Sana Parveen Sheikh	16
29.	ShivaniPramodPawade	14
30.	ShraddhaSubodhWasnik	13
31.	ShubhamDevidasDamedhar	16
32.	ShubhamNandkishorRakas	18
33.	ShwetaRavindraDhanorkar	13
34.	Surabhi Sanjay Wasnik	16
35.	Swati Kaushlendra Mishra	13

36.	Vaibhav Sanjay Hirekhan	17
37.	Vaishnavi Vishnu Makde	14
38.	Yogita Ajit Kaushal	16



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
Department of Computer Science
M.Sc. Semester-I (Computer Science) Session 2018-2019
Discrete Mathematical Structure (Paper I)
Unit Test II**

Time: 1 hour]

[Maximum Marks: 20

Q1. Answer the Following (Any 2)

- | | |
|--|---|
| A. Explain Euler Paths and Circuits? | 8 |
| B. Explain Products of quotient of groups? | 8 |
| C. Write the Permutation Functions? | 8 |
| D. Explain the concept Semigroup? | 8 |

Q2. Answer the Following (Any 1)

- | | |
|---|---|
| A. Explain Binary Operations in detail? | 4 |
| B. What is minimal spanning tree? | 4 |
| C. Explain the state machine? | 4 |



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
Department of Computer Science
M. Sc. Semester – I (Computer Science) Session 2018-2019
Unit Test - I

Name of Teacher: Dr. M. T. Wanjari

Date: 27/09/2018

Subject: Programming in Java (Paper-II)

Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Amit Girish Paliwal	AB
2.	Ankita Chandrashekhar Bandhekar	09
3.	Faraz Mohammad Iqbal Sayyed	12
4.	Gaurav Prabhakar Salwatkar	09
5.	Indrayani Parshuramkar	10
6.	Juhi Vijay Wadnerkar	10
7.	KetakiKumeriya	08
8.	Khyati Ghanshyam Patel	12
9.	Komal Gopal Thawkar	12
10.	LeenaPraful Chauhan	14
11.	Minakshi Subhash Hatwar	15
12.	NamrataVasant Rahangdale	14
13.	Nikita S. Katole	10
14.	Nilesh Bhanu Nayak	AB
15.	Nilima Harichndra Balbudhe	10
16.	Pallavi Kashinath Lonkar	09
17.	Prachi Manoj Singh	13
18.	Prajakta Sanjay Puranik	12
19.	Prajwal Thakare	10
20.	Pratiksha Khemraj Zure	09
21.	Priyanka Babulal Jangid	AB
22.	Rashmi Rewaram Nanhe	12
23.	Roshan Sanjay Bhalshankar	10
24.	Rupal Dewaji Gumgaonkar	08
25.	Sagar Mahipal Motghare	16
26.	Sameer Anil Deshmukh	12
27.	Sampada Avinash Salphale	10
28.	Sana Parveen Sheikh	12
29.	Shivani Pramod Pawade	09
30.	Shraddha Subodh Wasnik	AB

31.	Shubham Devidas Damedhar	10
32.	Shubham Nandkishor Rakas	09
33.	Shweta Ravindra Dhanorkar	09
34.	Surabhi Sanjay Wasnik	10
35.	Swati Kaushlendra Mishra	13
36.	Vaibhav Sanjay Hirekhan	10
37.	Vaishnavi Vishnu Makde	12
38.	Yogita Ajit Kaushal	10

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
Session 2018-2019
Master of Science (M. Sc.) Semester – I (Computer Science)
Programming in Java (Paper-II)
Unit Test – I**

Time: 1 Hour]

[Maximum Marks: 20

Q. 1 (Solve any two question)

- | | |
|---|---|
| A. What is constructor in Java? Explain overloaded constructor. | 8 |
| B. What is type casting? When do you need it in programming? | 8 |
| C. What is an Event? Explain Action Event in detail. | 8 |
| D. Explain the meaning of event, event source and event listener. | 8 |

Q. 2 (Solve any one question)

- | | |
|---|---|
| A. Describe the life cycle of Applet. | 4 |
| B. Write short note on Graphics and Font class. | 4 |
| C. Discuss java runtime environment in detail. | 4 |

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
Department of Computer Science
M. Sc. Semester – I (Computer Science) Session 2018-2019
Unit Test - II

Name of Teacher: Dr. M. T. Wanjari
Subject: Programming in Java (Paper-II)

Date: 15/10/2018
Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Amit GirishPaliwal	10
2.	Ankita Chandrashekhar Bandhekar	10
3.	Faraz Mohammad Iqbal Sayyed	14
4.	Gaurav Prabhakar Salwatkar	10
5.	Indrayani Parshuramkar	AB
6.	Juhi Vijay Wadnerkar	09
7.	KetakiKumeriya	09
8.	Khyati Ghanshyam Patel	12
9.	Komal Gopal Thawkar	14
10.	LeenaPraful Chauhan	16
11.	Minakshi Subhash Hatwar	10
12.	NamrataVasant Rahangdale	16
13.	Nikita S. Katole	12
14.	Nilesh Bhanu Nayak	10
15.	Nilima Harichndra Balbudhe	12
16.	Pallavi Kashinath Lonkar	10
17.	Prachi Manoj Singh	14
18.	Prajakta Sanjay Puranik	12
19.	Prajwal Thakare	12
20.	Pratiksha Khemraj Zure	10
21.	Priyanka Babulal Jangid	09
22.	Rashmi Rewaram Nanhe	13
23.	Roshan Sanjay Bhalshankar	10
24.	Rupal Dewaji Gumgaonkar	10
25.	Sagar Mahipal Motghare	17
26.	Sameer Anil Deshmukh	10
27.	Sampada Avinash Salphale	12
28.	Sana Parveen Sheikh	13
29.	Shivani Pramod Pawade	09

30.	Shraddha Subodh Wasnik	09
31.	Shubham Devidas Damedhar	10
32.	Shubham Nandkishor Rakas	09
33.	Shweta Ravindra Dhanorkar	AB
34.	Surabhi Sanjay Wasnik	10
35.	Swati Kaushlendra Mishra	14
36.	Vaibhav Sanjay Hirekhan	12
37.	Vaishnavi Vishnu Makde	14
38.	Yogita Ajit Kaushal	09



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
Session 2018-2019

Master of Science (M. Sc.) Semester – I (Computer Science)
Programming in Java (Paper-II)
Unit Test – II

Time: 1 Hour]

[Maximum Marks: 20

Q. 1 (Solve any two question)

- | | |
|---|---|
| A. Describe i) PING ii) TCP addressing scheme. | 8 |
| B. Write a program to demonstrate a UDP server. | 8 |
| C. Explain working of JAR and Manifest files. | 8 |
| D. What are the software components and Javabeans and its elements. | 8 |

Q. 2 (Solve any one question)

- | | |
|---|---|
| A. What is the difference between TCP and UDP? | 4 |
| B. What is the role of the DriverManager class of java.sql package? | 4 |
| C. Write notes on i) Domain Name Server ii) IP Address. | 4 |



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
Department of Computer Science
M. Sc. Semester – I (Computer Science) Session 2018-2019
Unit Test - I

Name of Teacher: Mr. Sagar S. Shende

Date: 30/08/2018

Subject: Digital Electronics and Microprocessor (Paper-III)

Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Amit Girish Paliwal	9
2.	Ankita Chandrashekhar Bandhekar	15
3.	Faraz Mohammad Iqbal Sayyed	20
4.	Gaurav Prabhakar Salwatkar	20
5.	Indrayani Parshuramkar	12
6.	Juhi Vijay Wadnerkar	19
7.	Ketaki Kumeriya	Absent
8.	Khyati Ghanshyam Patel	20
9.	Komal Gopal Thawkar	15
10.	Leena Praful Chauhan	7
11.	Minakshi Subhash Hatwar	19
12.	Namrata Vasant Rahangdale	17
13.	Nikita S. Katole	15
14.	Nilesh Bhanu Nayak	15
15.	Nilima Harichndra Balbudhe	17
16.	Pallavi Kashinath Lonkar	Absent
17.	Prachi Manoj Singh	12
18.	Prajakta Sanjay Puranik	8
19.	Prajwal Thakare	20
20.	Pratiksha Khemra jZure	10
21.	Priyanka Babulal Jangid	9
22.	Rashmi Rewaram Nanhe	17
23.	Roshan Sanjay Bhalshankar	13
24.	Rupal Dewaji Gumgaonkar	Absent
25.	Sagar Mahipal Motghare	14
26.	Sameer Anil Deshmukh	18
27.	Sampada Avinash Salphale	16
28.	Sana Parveen Sheikh	19
29.	Shivani Pramod Pawade	13
30.	Shraddha Subodh Wasnik	14

31.	Shubham Devidas Damedhar	16
32.	Shubham Nandkishor Rakas	20
33.	Shweta Ravindra Dhanorkar	13
34.	Surabhi Sanjay Wasnik	Absent
35.	Swati Kaushlendra Mishra	18
36.	Vaibhav Sanjay Hirekhan	20
37.	Vaishnavi Vishnu Makde	12
38.	Yogita Ajit Kaushal	20



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 2018-2019**

**Master of Science (M.Sc.) Semester-I (Computer Science)
Digital Electronics and Microprocessor (Paper-III)
Unit Test - I**

Time :1 Hour

Maximum Marks 20

Question 1. Solve any two

- A. Explain the method of decimal subtraction using 9's and 10's complement method with suitable example. 8
- B. What is a decoder? Draw the logic circuit of a 3 line to 8 line decoder and explain its working. 8
- C. What is a Decoder? Compare a decoder and a demultiplexer with suitable block diagrams. 8
- D. Explain the following with example: 8
- Underflow
 - Overflow

Question 2. Solve any one

- A. What are logic gates? Explain all the basic gates giving their logic circuit, symbol, and truth table. 4
- B. Explain with examples the don't care conditions in four variable K-map. 4
- C. Explain any four Boolean laws and describe with suitable example 4 variable K-map. 4



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
Department of Computer Science**

M. Sc. Semester – I (Computer Science) Session 2018-2019

Unit Test - II

Name of Teacher: Mr. Sagar S. Shende

Date: 30/09/2018

Subject: Digital Electronics and Microprocessor (Paper-III)

Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Amit Girish Paliwal	19
2.	Ankita Chandrashekhar Bandhekar	8
3.	Faraz Mohammad Iqbal Sayyed	11
4.	Gaurav Prabhakar Salwatkar	7
5.	Indrayani Parshuramkar	20
6.	Juhi Vijay Wadnerkar	15
7.	Ketaki Kumeriya	14
8.	Khyati Ghanshyam Patel	11
9.	Komal Gopal Thawkar	16
10.	Leena Praful Chauhan	Absent
11.	Minakshi Subhash Hatwar	16
12.	Namrata Vasant Rahangdale	17
13.	Nikita S. Katole	18
14.	Nilesh Bhanu Nayak	13
15.	Nilima Harichndra Balbudhe	7
16.	Pallavi Kashinath Lonkar	20
17.	Prachi Manoj Singh	19
18.	Prajakta Sanjay Puranik	20
19.	Prajwal Thakare	12
20.	Pratiksha Khemra jZure	16
21.	Priyanka Babulal Jangid	14
22.	Rashmi Rewaram Nanhe	Absent
23.	Roshan Sanjay Bhalshankar	9
24.	Rupal Dewaji Gumgaonkar	12
25.	Sagar Mahipal Motghare	17
26.	Sameer Anil Deshmukh	14
27.	Sampada Avinash Salphale	15

28.	Sana Parveen Sheikh	11
29.	Shivani Pramod Pawade	9
30.	Shraddha Subodh Wasnik	14
31.	Shubham Devidas Damedhar	Absent
32.	Shubham Nandkishor Rakas	18
33.	Shweta Ravindra Dhanorkar	15
34.	Surabhi Sanjay Wasnik	13
35.	Swati Kaushlendra Mishra	11
36.	Vaibhav Sanjay Hirekhan	17
37.	Vaishnavi Vishnu Makde	8
38.	Yogita Ajit Kaushal	18



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 2018-2019

Master of Science (M.Sc.) Semester-I (Computer Science)

Digital Electronics and Microprocessor (Paper-III)

Unit Test - II

Time :1 Hour

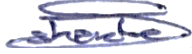
Maximum Marks 20

Question 1. Solve any two

- A. Draw the circuit diagram of a Master-slave J-K flip-flop using NAND gates. 8
- B. What is flag register? List the various flags used in 8086 μ p with indication of each flag bit. Explain any two of them with suitable example. 8
- C. What is a Shift Register? What are its various types? List out some applications of Shift Register. 8
- D. What are Assembler Directives? Enlist the different assembler directives and explain any five of them in brief. 8

Question 2. Solve any one

- A. Describe the operation of parallel in parallel out (PIPO) shift register. 4
- B. Write an Assembly language programme using 8086 μ p to find the largest decimal number from an array of 10 numbers. 4
- C. What are data transfer instructions? Explain any three with suitable examples. 4



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
Department of Computer Science**

M. Sc. Semester – I (Computer Science) Session 2018-2019

Unit Test - I

Name of Teacher: Mrs. A.M.Taori

Date: 15/09/2018

Subject: Advanced DBMS and Administration (Paper-IV)

Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Amit Girish Paliwal	13
2.	Ankita Chandrashekhar Bandhekar	12
3.	Faraz Mohammad Iqbal Sayyed	15
4.	Gaurav PrabhakarSalwatkar	16
5.	IndrayaniParshuramkar	12
6.	Juhi Vijay Wadnerkar	10
7.	KetakiKumeriya	11
8.	KhyatiGhanshyam Patel	14
9.	KomalGopalThawkar	17
10.	LeenaPraful Chauhan	12
11.	MinakshiSubhashHatwar	14
12.	NamrataVasantRahangdale	15
13.	Nikita S. Katole	18
14.	NileshBhanuNayak	13
15.	NilimaHarichndraBalbudhe	14
16.	PallaviKashinathLonkar	Absent
17.	PrachiManoj Singh	10
18.	Prajakta Sanjay Puranik	11
19.	PrajwalThakare	14
20.	PratikshaKhemrajZure	17
21.	PriyankaBabulalJangid	12
22.	RashmiRewaramNanhe	14
23.	Roshan Sanjay Bhalshankar	15
24.	RupalDewajiGumgaonkar	18

25.	SagarMahipalMotghare	13
26.	Sameer Anil Deshmukh	14
27.	SampadaAvinashSalphale	Absent
28.	Sana Parveen Sheikh	12
29.	ShivaniPramodPawade	10
30.	ShraddhaSubodhWasnik	11
31.	ShubhamDevidasDamedhar	Absent
32.	ShubhamNandkishorRakas	15
33.	ShwetaRavindraDhanorkar	18
34.	Surabhi Sanjay Wasnik	13
35.	Swati Kaushlendra Mishra	14
36.	Vaibhav Sanjay Hirekhan	Absent
37.	Vaishnavi Vishnu Makde	12
38.	Yogita Ajit Kaushal	10

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 2018-2019
Master of Science (M.Sc.) Semester-I (Computer Science)
Advanced DBMS and Administration (Paper-IV)
Unit Test - I**

Time :1 Hour

Maximum Marks 20

Q1. Answer the Following (Any 2)

- | | |
|--|---|
| A. Write the stages of query processing in detail. | 8 |
| B. What is Equivalence of expressions ? Explain different equivalence rules. | 8 |
| C. Explain deadlocks and its avoidance conditions . | 8 |
| D. Explain in detail about Crash Recovery. | 8 |

Q2. Answer the Following (Any 1)

- | | |
|---|---|
| A. Explain lossless join decomposition with one example (BCNF). | 4 |
| B. List and explain types of failure obtained in DBMS. | 4 |

C. What is wait-die scheme ? Explain

4



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
Department of Computer Science
M. Sc. Semester – I (Computer Science) Session 2018-2019
Unit Test - II

Name of Teacher: Mrs. A.M.Taori

Date: 12/10/2018

Subject: Advanced DBMS and Administration (Paper-IV)

Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Amit Girish Paliwal	Absent
2.	Ankita Chandrashekhar Bandhekar	11
3.	Faraz Mohammad Iqbal Sayyed	14
4.	Gaurav PrabhakarSalwatkar	17
5.	IndrayaniParshuramkar	12
6.	Juhi Vijay Wadnerkar	Absent
7.	KetakiKumeriya	10
8.	KhyatiGhanshyam Patel	11
9.	KomalGopalThawkar	14
10.	LeenaPraful Chauhan	17
11.	MinakshiSubhashHatwar	12
12.	NamrataVasantRahangdale	14
13.	Nikita S. Katole	15
14.	NileshBhanuNayak	18
15.	NilimaHarichndraBalbudhe	13
16.	PallaviKashinathLonkar	14
17.	PrachiManoj Singh	12
18.	Prajakta Sanjay Puranik	15
19.	PrajwalThakare	16
20.	PratikshaKhemrajZure	12
21.	PriyankaBabulalJangid	10
22.	RashmiRewaramNanhe	11
2018.	Roshan Sanjay Bhalshankar	14
24.	RupalDewajiGumgaonkar	17
25.	SagarMahipalMotghare	12
26.	Sameer Anil Deshmukh	14
27.	SampadaAvinashSalphale	15
28.	Sana Parveen Sheikh	18
29.	ShivaniPramodPawade	13
30.	ShraddhaSubodhWasnik	14

31.	ShubhamDevidasDamedhar	Absent
32.	ShubhamNandkishorRakas	15
33.	ShwetaRavindraDhanorkar	18
34.	Surabhi Sanjay Wasnik	13
35.	Swati Kaushlendra Mishra	14
36.	Vaibhav Sanjay Hirekhan	Absent
37.	Vaishnavi Vishnu Makde	10
38.	Yogita Ajit Kaushal	12



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 2018-2019

Master of Science (M.Sc.) Semester-I (Computer Science)

Advanced DBMS and Administration (Paper-IV)

Unit Test - II

Time :1 Hour

Maximum Marks 20

Q1. Answer the Following (Any 2)

- A. What is the difference between complete and incomplete recovery of Oracle database. 8
- B. Explain the system level privileges. 8
- C. Explain procedural integrity constraint of Oracle. 8
- D. What is tuning ? Explain RBS tuning. 8

Q2. Answer the Following (Any 1)

- A. Explain the tablespace and data files. 4
- B. Explain export utility logical backup. 4
- C. Explain the process of managing rollback segment. 4



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
Department of Computer Science
M. Sc. Semester – III (Computer Science) Session 2018-19
Unit Test – I

Name of Teacher: Ms. P.M.Dadhe


Date: 19/09/2018

Subject: Data Communication & Network (Paper I)

Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Adarsh Manoharrao Lonare	18
2.	Anagha Anil Joshi	17
3.	Anand Rajesh Gupta	Absent
4.	Anita SharadDhira	13
5.	Ashish LaxmanAgase	17
6.	Bakshish zahera Ishteyaque Husain Jafri	Absent
7.	DikshaMoreshwarChoudhary	14
8.	DikshaShalikramRahangdale	13
9.	DivyaShatrughanBelekar	16
10.	Gaurav Ashok Meshram	13
11.	JuhiVijayanandGhate	Absent
12.	Karan NareshMatale	Absent
13.	KishoriChandrabhan Rode	17
14.	MadhuriTukaramNagpure	14
15.	Mayuri Pradeep Khade	16
16.	Monika BhujangraoDaf	Absent
17.	MukulSushilkumar Dixit	10
18.	NehaShamraoParate	13
19.	PallaviShrinarayan Agrawal	17
20.	PayalShravanMourya	14
21.	PoojaAmbadasji Sable	16
22.	PranotiKhemrajBarsagade	Absent
23.	PrarthanaRamjag Pandey	12
24.	PriyankaOnkarsinghParmar	15
25.	Puja Ashok Gaidhani	Absent
26.	RaginiSiddharthParekar	12
27.	Rutuja Sunil Telpande	15
28.	ShrutikaVinodLokhande	14
29.	ShubhangiDhanpalSarve	13
30.	Sneha Sanjay Patil	16
31.	SnehalMotiramChukekar	13

32.	SurabhiMoreswar Joshi	17
33.	Taniya C. Lakhawani	12
34.	Vaibhavi Ramesh Mohurle	13
35.	VarunDilipMoghe	12



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
Department of Computer Science
M.Sc. Semester-III (Computer Science) Session 2018-2019
Data Communication & Network (Paper I)
Unit Test - I**

Time: 1 hour]

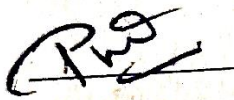
[Maximum Marks: 20

Q1. Answer the Following (Any 2)

- A. Explain OSI reference model. 8
- B. Explain design issues in network layer.
Discuss how internet works in network layer. 8
- C. What is ISDN? Explain the architecture of ISDN. 8
- D. Explain working of transport layer. 8

Q2. Answer the Following (Any 1)

- A. Short note :- a) Analog b) Digital. 4
- B. Discuss the protocol specification and verification. 4
- C. Discuss the design issues in data link layer. 4



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
Department of Computer Science
M. Sc. Semester – III (Computer Science) Session 2018-19
Unit Test - II

Name of Teacher: Mrs. S. M. Gaikwad


Date: 27/11/2018

Subject: Data Communication & Network (Paper I)

Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Adarsh Manoharrao Lonare	16
2.	Anagha Anil Joshi	Absent
3.	Anand Rajesh Gupta	Absent
4.	Anita SharadDhira	12
5.	Ashish LaxmanAgase	18
6.	Bakshish zahera Ishteyaque Husain Jafri	Absent
7.	DikshaMoreshwarChoudhary	14
8.	DikshaShalikramRahangdale	13
9.	DivyaShatrughanBelekar	15
10.	Gaurav Ashok Meshram	12
11.	JuhiVijayanandGhate	13
12.	Karan NareshMatale	Absent
13.	KishoriChandrabhan Rode	13
14.	MadhuriTukaramNagpure	17
15.	Mayuri Pradeep Khade	13
16.	Monika BhujangraoDaf	Absent
17.	MukulSushilkumar Dixit	12
18.	NehaShamraoParate	15
19.	PallaviShrinarayan Agrawal	14
20.	PayalShravanMourya	13
21.	PoojaAmbadasji Sable	16
22.	PranotiKhemrajBarsagade	12
23.	PrarthanaRamjag Pandey	15
24.	PriyankaOnkarsinghParmar	18
25.	Puja Ashok Gaidhani	17
26.	RaginiSiddharthParekar	Absent
27.	Rutuja Sunil Telpande	13
28.	ShrutikaVinodLokhande	17
29.	ShubhangiDhanpalSarve	Absent
30.	Sneha Sanjay Patil	14

31.	SnehalMotiramChukekar	13
32.	SurabhiMoreshwar Joshi	16
33.	Taniya C. Lakhawani	13
34.	Vaibhavi Ramesh Mohurle	Absent
35.	VarunDilipMoghe	Absent



Signature of the Teacher



Head
Department of Computer Science



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

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Department of Computer Science
M.Sc. Semester-III (Computer Science) Session 2018-2019
Data Communication & Network (Paper I)
Unit Test II**

Time: 1 hour]

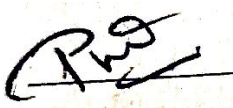
[Total Marks: 20

Q1. Answer the Following (Any 2)

- | | |
|--|---|
| A. Explain the classification of security service. | 8 |
| B. Where the encryption devices are located? Explain in details. | 8 |
| C. Discuss the security vulnerabilities and threads. | 8 |
| D. What are TCP and UDP? Explain the TCP connection management. | 8 |

Q2. Answer the Following (Any 1)

- | | |
|---|---|
| A. Why firewall are used? | 4 |
| B. Write a short note on security attack. | 4 |
| C. Discuss the monitoring and management of Email security. | 4 |



Signature of the Teacher



Head
Department of Computer Science

Shri Shivaji Education Society



Amravati's

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

Science College, Congress Nagar, Nagpur
Department of Computer Science
M. Sc. Semester – III (Computer Science) Session 2018-19
Unit Test - I

Name of Teacher: Dr. M. T. Wanjari
Subject: Software Engineering (Paper II)

Date: 08/09/2018
Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Adarsh Manoharrao Lonare	10
2.	Anagha Anil Joshi	AB
3.	Anand Rajesh Gupta	08
4.	Anita Sharad Dhira	10
5.	Ashish Laxman Agase	12
6.	Bakshish zahera Ishteyaque Husain Jafri	08
7.	Diksha Moreshwar Choudhary	10
8.	Diksha Shalikram Rahangdale	12
9.	Divya Shatrughan Belekar	14
10.	Gaurav Ashok Meshram	10
11.	Juhi Vijayanand Ghate	16
12.	Karan Naresh Matale	12
13.	Kishori Chandrabhan Rode	10
14.	Madhuri Tukaram Nagpure	09
15.	Mayuri Pradeep Khade	11
16.	Monika Bhujangrao Daf	12
17.	Mukul Sushilkumar Dixit	10
18.	Neha Shamrao Parate	12
19.	Pallavi Shrinarayan Agrawal	13
20.	Payal Shravan Mourya	10
21.	Pooja Ambadasji Sable	AB
22.	Pranoti Khemraj Barsagade	08
23.	Prarthana Ramjag Pandey	10
24.	Priyanka Onkarsingh Parmar	10
25.	Puja Ashok Gaidhani	12
26.	Ragini Siddharth Parekar	10
27.	Rutuja Sunil Telpande	10
28.	Shrutika Vinod Lokhande	14
29.	Shubhangi Dhanpal Sarve	10
30.	Sneha Sanjay Patil	12
31.	Snehal Motiram Chukekar	10

32.	Surabhi Moreshwar Joshi	09
33.	Taniya C. Lakhawani	10
34.	Vaibhavi Ramesh Mohurle	09
35.	Varun Dilip Moghe	10



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
Session 2018-19**

**Master of Science (M. Sc.) Semester – III (Computer Science)
Software Engineering (Paper-II)
Unit Test – I**

Time: 1 Hour]

[Maximum Marks: 20

Q. 1 (Solve any two question)

- | | |
|--|---|
| A. Explain waterfall model in detail. | 8 |
| B. What is Software? Give list of software requirement documents. | 8 |
| C. Explain design quality and design process in engineering design. | 8 |
| D. Explain software architecture for creating an architectural design. | 8 |

Q. 2 (Solve any one question)

- | | |
|--|---|
| A. What is functional requirement of software? | 4 |
| B. Explain system context model. | 4 |
| C. Explain the Incremental Process Models. | 4 |



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
Department of Computer Science
M. Sc. Semester – III (Computer Science) Session 2018-19
Unit Test - II**

**Name of Teacher: Dr. M. T. Wanjari
Subject: Software Engineering (Paper II)**

**Date: 13/09/2018
Maximum Marks: 20**

Sr. No.	Name of Students	Obtained Marks
1.	Adarsh Manoharrao Lonare	12
2.	Anagha Anil Joshi	10
3.	Anand Rajesh Gupta	10
4.	Anita Sharad Dhira	12
5.	Ashish Laxman Agase	13
6.	Bakshish zahera Ishteyaque Husain Jafri	AB
7.	Diksha Moreshwar Choudhary	11
8.	Diksha Shalikram Rahangdale	13
9.	Divya Shatrughan Belekar	15
10.	Gaurav Ashok Meshram	12
11.	Juhi Vijayanand Ghate	16
12.	Karan Naresh Matale	12
13.	Kishori Chandrabhan Rode	AB
14.	Madhuri Tukaram Nagpure	10
15.	Mayuri Pradeep Khade	14
16.	Monika Bhujangrao Daf	10
17.	Mukul Sushilkumar Dixit	12
18.	Neha Shamrao Parate	12
19.	Pallavi Shrinarayan Agrawal	10
20.	Payal Shravan Mourya	09
21.	Pooja Ambadasji Sable	10
22.	Pranoti Khemraj Barsagade	10
23.	Prarthana Ramjag Pandey	12
24.	Priyanka Onkarsingh Parmar	12
25.	Puja Ashok Gaidhani	14
26.	Ragini Siddharth Parekar	09
27.	Rutuja Sunil Telpande	09
28.	Shrutika Vinod Lokhande	10
29.	Shubhangi Dhanpal Sarve	12
30.	Sneha Sanjay Patil	14
31.	Snehal Motiram Chukekar	12

32.	Surabhi Moreshwar Joshi	10
33.	Taniya C. Lakhawani	10
34.	Vaibhavi Ramesh Mohurle	09
35.	Varun Dilip Moghe	12



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
Session 2018-19**

**Master of Science (M. Sc.) Semester – III (Computer Science)
Software Engineering (Paper-II)
Unit Test – II**

Time: 1 Hour]

[Maximum Marks: 20

Q. 1 (Solve any two question)

- | | |
|--|---|
| A. What is testing? Explain Black box and White box testing. | 8 |
| B. Differentiate between user interface analysis and design interface. | 8 |
| C. Explain software review in detail. | 8 |
| D. Explain quality standards for ISO 9000. | 8 |

Q. 2 (Solve any one question)

- | | |
|-------------------------------------|---|
| A. Explain metrics for maintenance. | 4 |
| B. Explain RMMM plan. | 4 |
| C. What is Risk Management? | 4 |



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
Department of Computer Science
M. Sc. Semester – III (Computer Science) Session 2018-19
Unit Test - I**

**Name of Teacher: Dr. M. T. Wanjari
Subject: Neural Network (Paper III)**

**Date: 22/08/2018
Maximum Marks: 20**

Sr. No.	Name of Students	Obtained Marks
1.	Adarsh Manoharrao Lonare	18
2.	Anagha Anil Joshi	9
3.	Anand Rajesh Gupta	Absent
4.	Anita Sharad Dhira	18
5.	Ashish Laxman Agase	9
6.	Bakshish zahera Ishteyaque Husain Jafri	20
7.	Diksha Moreshwar Choudhary	7
8.	Diksha Shalikram Rahangdale	10
9.	Divya Shatrughan Belekar	9
10.	Gaurav Ashok Meshram	11
11.	Juhi Vijayanand Ghate	13
12.	Karan NareshMatale	18
13.	Kishori Chandrabhan Rode	19
14.	Madhuri Tukaram Nagpure	12
15.	Mayuri Pradeep Khade	18
16.	Monika Bhujangrao Daf	18
17.	Mukul Sushilkumar Dixit	16
18.	Neha Shamrao Parate	14
19.	Pallavi Shrinarayan Agrawal	11
20.	Payal Shravan Mourya	Absent
21.	Pooja Ambadasji Sable	15
22.	Pranoti Khemraj Barsagade	8
23.	Prarthana Ramjag Pandey	9
24.	Priyanka Onkarsingh Parmar	11
25.	Puja Ashok Gaidhani	14
26.	Ragini Siddharth Parekar	11
27.	Rutuja Sunil Telpande	9
28.	Shrutika Vinod Lokhande	Absent
29.	Shubhangi Dhanpal Sarve	15
30.	Sneha Sanjay Patil	11
31.	Snehal Motiram Chukekar	9

32.	Surabhi Moreshwar Joshi	12
33.	Taniya C. Lakhawani	12
34.	Vaibhavi Ramesh Mohurle	15
35.	Varun Dilip Moghe	20



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 2018-2019
Master of Science(M.Sc.) (Computer Science) (Semester-III)
Neural Network-III
Unit Test - I**

Time :1 Hour]

[Maximum Marks 20

Question 1. Solve any two

- A. Explain the use of threshold activation function in neural networks. Explain the three threshold signal functions. 8
- B. Explain the Handling Linearly Non-Separable sets. 8
- C. Explain Properties and Application Domains of Neural Networks. 8
- D. Explain the Steepest Descent Search with Exact Gradient Information in detail. 8

Question 2. Solve any one

- A. Explain with example the statement "Binary Neurons are pattern dichotomizers". 4
- B. What is Perceptron? Explain the Perceptron Convergence theorem. 4
- C. Explain any one Supervised Learning technique. 4



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
Department of Computer Science
M. Sc. Semester – III (Computer Science) Session 2018-19
Unit Test - II**

**Name of Teacher: Dr. M. T. Wanjari
Subject: Neural Network (Paper III)**

**Date: 24/09/2018
Maximum Marks: 20**

Sr. No.	Name of Students	Obtained Marks
1.	Adarsh Manoharrao Lonare	10
2.	Anagha Anil Joshi	18
3.	Anand Rajesh Gupta	15
4.	Anita Sharad Dhira	14
5.	Ashish Laxman Agase	16
6.	Bakshish zahera Ishteyaque Husain Jafri	Absent
7.	Diksha Moreshwar Choudhary	8
8.	Diksha Shalikram Rahangdale	12
9.	Divya Shatrughan Belekar	19
10.	Gaurav Ashok Meshram	17
11.	Juhi Vijayanand Ghate	16
12.	Karan NareshMatale	19
13.	Kishori Chandrabhan Rode	14
14.	Madhuri Tukaram Nagpure	12
15.	Mayuri Pradeep Khade	10
16.	Monika Bhujangrao Daf	11
17.	Mukul Sushilkumar Dixit	15
18.	Neha Shamrao Parate	16
19.	Pallavi Shrinarayan Agrawal	Absent
20.	Payal Shravan Mourya	12
21.	Pooja Ambadasji Sable	8
22.	Pranoti Khemraj Barsagade	9
23.	Prarthana Ramjag Pandey	19
24.	Priyanka Onkarsingh Parmar	10
25.	Puja Ashok Gaidhani	7
26.	Ragini Siddharth Parekar	16
27.	Rutuja Sunil Telpande	13
28.	Shrutika Vinod Lokhande	8
29.	Shubhangi Dhanpal Sarve	19
30.	Sneha Sanjay Patil	12
31.	Snehal Motiram Chukekar	Absent

32.	Surabhi Moreshwar Joshi	15
33.	Taniya C. Lakhawani	12
34.	Vaibhavi Ramesh Mohurle	13
35.	Varun Dilip Moghe	8



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 2018-2019**

**Master of Science(M.Sc.) (Computer Science) (Semester-III)
Neural Network (Paper-III)
Unit Test - II**

Time :1 Hour

Total Marks 20

Question 1. Solve any two

- | | |
|---|---|
| A. Discuss Backpropagation Learning Algorithm for a Multilayer network. | 8 |
| B. Explain the Cross Entropy Error for a Two-Class Problem. | 8 |
| C. What do you understand by the terms: | 8 |
| i. Tower and Pyramid Algorithms | |
| ii. Cascade Correlation Algorithm | |
| D. Explain Bayes Theorem in detail. | 8 |

Question 2. Solve any one

- | | |
|---|---|
| A. Write down the applications of Reinforcement Learning. | 4 |
| B. Explain the Network signals and Class posteriors. | 4 |
| C. Discuss the architectures of Multilayered Network. | 4 |



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
Department of Computer Science
M. Sc. Semester – III (Computer Science) Session 2018-19
Unit Test - I**

**Name of Teacher: Mrs. S.B.Raipure
Subject: Mobile Computing (Paper IV)**

**Date: 25/09/2018
Maximum Marks: 20**

Sr. No.	Name of Students	Obtained Marks
1.	AdarshManoharraoLonare	16
2.	Anagha Anil Joshi	15
3.	Anand Rajesh Gupta	14
4.	Anita SharadDhira	11
5.	Ashish LaxmanAgase	10
6.	BakshishzaheraIshteyaqueHusain Jafri	09
7.	DikshaMoreshwarChoudhary	Absent
8.	DikshaShalikramRahangdale	18
9.	DivyaShatrughanBelekar	15
10.	Gaurav Ashok Meshram	11
11.	JuhiVijayanandGhate	Absent
12.	Karan NareshMatale	14
13.	KishoriChandrabhan Rode	16
14.	MadhuriTukaramNagpure	15
15.	Mayuri Pradeep Khade	14
16.	Monika BhujangraoDaf	11
17.	MukulSushilkumar Dixit	16
18.	NehaShamraoParate	15
19.	PallaviShrinarayan Agrawal	14
20.	PayalShravanMourya	11
21.	PoojaAmbadasji Sable	10
22.	PranotiKhemrajBarsagade	09
23.	PrarthanaRamjag Pandey	Absent
24.	PriyankaOnkarsinghParmar	18
25.	Puja Ashok Gaidhani	15
26.	RaginiSiddharthParekar	16
27.	Rutuja Sunil Telpande	15
28.	ShrutikaVinodLokhande	14
29.	ShubhangiDhanpalSarve	11
30.	Sneha Sanjay Patil	10
31.	SnehalMotiramChukekar	16

32.	Surabhi Moreshwar Joshi	15
33.	Taniya C. Lakhawani	14
34.	Vaibhavi Ramesh Mohurle	11
35.	Varun Dilip Moghe	10



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 2018-2019
M.Sc. Semester-III COMPUTER SCIENCE
Mobile Computing (Paper-IV)
Unit Test - I

Time: 1 Hour]

[Maximum Marks: 20

Q1. Answer the Following (Any 2)

- | | |
|--|---|
| A. Write a note on 'mobility management'. | 8 |
| B. What are the protocol for mobile communication ? Explain. | 8 |
| C. Explain tunnelling and route optimization. | 8 |
| D. Explain different techniques used in OFDM. | 8 |

Q2. Answer the Following (Any 1)

- | | |
|---|---|
| A. State limitations of mobile devices in detail. | 4 |
| B. Write short notes on Autonomous Computing. | 4 |
| C. How Indirect TCP Works? Explain. | 4 |



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
Department of Computer Science
M. Sc. Semester – III (Computer Science) Session 2018-2019
Unit Test - II**

**Name of Teacher: Mrs. S.B.Raipure
Subject: Mobile Computing (Paper IV)**

**Date: 27/12/2018
Maximum Marks: 20**

Sr. No.	Name of Students	Obtained Marks
1.	AdarshManoharraoLonare	16
2.	Anagha Anil Joshi	15
3.	Anand Rajesh Gupta	14
4.	Anita SharadDhira	11
5.	Ashish LaxmanAgase	10
6.	BakshishzaheraIshteyaqueHusain Jafri	09
7.	DikshaMoreshwarChoudhary	Absent
8.	DikshaShalikramRahangdale	18
9.	DivyaShatrughanBelekar	15
10.	Gaurav Ashok Meshram	11
11.	JuhiVijayanandGhate	Absent
12.	Karan NareshMatale	14
13.	KishoriChandrabhan Rode	16
14.	MadhuriTukaramNagpure	15
15.	Mayuri Pradeep Khade	14
16.	Monika BhujangraoDaf	11
17.	MukulSushilkumar Dixit	10
18.	NehaShamraoParate	09
19.	PallaviShrinarayan Agrawal	Absent
20.	PayalShravanMourya	18
21.	PoojaAmbadasji Sable	15
22.	PranotiKhemrajBarsagade	11
23.	PrarthanaRamjag Pandey	Absent
24.	PriyankaOnkarsinghParmar	14
25.	Puja Ashok Gaidhani	16
26.	RaginiSiddharthParekar	15
27.	Rutuja Sunil Telpande	14
28.	ShrutikaVinodLokhande	11
29.	ShubhangiDhanpalSarve	16
30.	Sneha Sanjay Patil	15
31.	SnehalMotiramChukekar	11

32.	SurabhiMoreshwar Joshi	10
33.	Taniya C. Lakhawani	09
34.	Vaibhavi Ramesh Mohurle	Absent
35.	VarunDilipMoghe	15



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 2018-2019
Master of Science (M.sc.) Semester-III (Computer Science)
Mobile Computing (Paper-IV)
Unit Test -II**

Time: 1 Hour]

[Maximum Marks: 20

Q1. Answer the Following (Any 2)

- | | |
|--|---|
| A. Write a note on 'mobility management'. | 8 |
| B. What are the protocol for mobile communication ? Explain. | 8 |
| C. Explain tunnelling and route optimization. | 8 |
| D. Explain different techniques used in OFDM. | 8 |

Q2. Answer the Following (Any 1)

- | | |
|---|---|
| A. State limitations of mobile devices in detail. | 4 |
| B. Write short notes on Autonomous Computing. | 4 |
| C. How Indirect TCP Works? Explain. | 4 |



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
Department of Computer Science
M. Sc. Semester – II (Computer Science) Session 2018-19
Unit Test - I**

Name of Teacher: Mrs. S.B.Raipure

Date: 11/02/2019

Subject: Windows Programming using VC++ (Paper I)

Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Amit GirishPaliwal	11
2.	Ankita Chandrashekhar Bandhekar	09
3.	Faraz Mohammad Iqbal Sayyed	11
4.	Gaurav Prabhakar Salwatkar	07
5.	Indrayani Parshuramkar	09
6.	Juhi Vijay Wadnerkar	11
7.	KetakiKumeriya	15
8.	KhyatiGhanshyam Patel	19
9.	KomalGopalThawkar	18
10.	LeenaPraful Chauhan	17
11.	MinakshiSubhashHatwar	Absent
12.	NamrataVasantRahangdale	13
13.	Nikita S. Katole	12
14.	NileshBhanuNayak	15
15.	NilimaHarichndraBalbudhe	16
16.	PallaviKashinathLonkar	12
17.	PrachiManoj Singh	Absent
18.	Prajakta Sanjay Puranik	11
19.	PrajwalThakare	09
20.	PratikshaKhemrajZure	11
21.	PriyankaBabulalJangid	07
22.	RashmiRewaramNanhe	09
23.	Roshan Sanjay Bhalshankar	11
24.	RupalDewajiGumgaonkar	15
25.	SagarMahipalMotghare	19
26.	Sameer Anil Deshmukh	18
27.	SampadaAvinashSalphale	17
28.	Sana Parveen Sheikh	Absent
29.	ShivaniPramodPawade	13
30.	ShraddhaSubodhWasnik	12
31.	ShubhamDevidasDamedhar	15

32.	ShubhamNandkishorRakas	16
33.	ShwetaRavindraDhanorkar	12
34.	Surabhi Sanjay Wasnik	11
35.	Swati Kaushlendra Mishra	09
36.	Vaibhav Sanjay Hirekhan	11
37.	Vaishnavi Vishnu Makde	07
38.	YogitaAjitKaushal	09



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 2018-2019

M.Sc. Semester-II COMPUTER SCIENCE

Paper-I (Windows Programming using VC++)

Unit Test -1

Time: 1 Hour]

[Maximum Marks: 20

Q1. Answer the Following (Any 2)

- A. What are the differences between Modal and Modeless Dialog box ? Explain with example. 8
- B. Explain the following terms : (i) Graphics Device Interface (ii) Bitmaps. 8
- C. What tool is used to implement the base MFC Framework for an application ? Explain. 8
- D. Write an application to Create Menubar as well as toolbar on Same Window. 8

Q2. Answer the Following (Any 1)

- A. Explain Event handling in detail. 4
- B. Write a note on property sheet. 4
- C. What are Keyboard Accelerator ? Explain. 4



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
Department of Computer Science
M. Sc. Semester – II (Computer Science) Session 2018-19
Unit Test - II**

Name of Teacher: Mrs. S.B.Raipure

Date: 24/04/2019

Subject: Windows Programming using VC++ (Paper I)

Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Amit GirishPaliwal	Absent
2.	Ankita Chandrashekhar Bandhekar	11
3.	Faraz Mohammad Iqbal Sayyed	09
4.	Gaurav Prabhakar Salwatkar	11
5.	Indrayani Parshuramkar	07
6.	Juhi Vijay Wadnerkar	09
7.	KetakiKumeriya	Absent
8.	KhyatiGhanshyam Patel	11
9.	KomalGopalThawkar	09
10.	LeenaPraful Chauhan	11
11.	MinakshiSubhashHatwar	07
12.	NamrataVasantRahangdale	09
13.	Nikita S. Katole	11
14.	NileshBhanuNayak	15
15.	NilimaHarichndraBalbudhe	19
16.	PallaviKashinathLonkar	18
17.	PrachiManoj Singh	17
18.	Prajakta Sanjay Puranik	Absent
19.	PrajwalThakare	13
20.	PratikshaKhemrajZure	12
21.	PriyankaBabulalJangid	15
22.	RashmiRewaramNanhe	16
23.	Roshan Sanjay Bhalshankar	12
24.	RupalDewajiGumgaonkar	11
25.	SagarMahipalMotghare	09
26.	Sameer Anil Deshmukh	11
27.	SampadaAvinashSalphale	07
28.	Sana Parveen Sheikh	11
29.	ShivaniPramodPawade	09
30.	ShraddhaSubodhWasnik	11

31.	ShubhamDevidasDamedhar	07
32.	ShubhamNandkishorRakas	09
33.	ShwetaRavindraDhanorkar	11
34.	Surabhi Sanjay Wasnik	15
35.	Swati Kaushlendra Mishra	19
36.	Vaibhav Sanjay Hirekhan	18
37.	Vaishnavi Vishnu Makde	17
38.	YogitaAjitKaushal	Absent



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 2018-2019
M.sc. Semester-II COMPUTER SCIENCE
Paper-I (Windows Programming using VC++)
Unit Test - II**

Time: 1 Hour]

[Maximum Marks: 20

Q1. Answer the Following (Any 2)

- | | |
|---|---|
| A. Explain different components of Object Model. | 8 |
| B. What is Storage structure ? What are compound files ? Explain its fragmentation. | 8 |
| C. Explain the concept of Database Management with Microsoft Data Access Object. | 8 |
| D. What is Dynamic HTML ? Explain with suitable example. Also discuss its advantages over HTML. | 8 |

Q2. Answer the Following (Any 1)

- | | |
|---|---|
| A. Explain Automation in detail. | 4 |
| B. Explain ODBC classes relationship in detail. | 4 |
| C. Write a short note on TCP/IP. | 4 |



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
Department of Computer Science
M. Sc. Semester – II (Computer Science) Session 2018-19
Unit Test - I**

Name of Teacher: Dr. M. T. Wanjari

Date: 05/03/2019

Subject: Theory of Computation and Compiler Construction (Paper-II)

Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Amit GirishPaliwal	09
2.	Ankita Chandrashekhar Bandhekar	10
3.	Faraz Mohammad Iqbal Sayyed	08
4.	Gaurav Prabhakar Salwatkar	AB
5.	Indrayani Parshuramkar	10
6.	Juhi Vijay Wadnerkar	09
7.	KetakiKumeriya	08
8.	Khyati Ghanshyam Patel	14
9.	Komal Gopal Thawkar	10
10.	LeenaPraful Chauhan	16
11.	Minakshi Subhash Hatwar	15
12.	NamrataVasant Rahangdale	10
13.	Nikita S. Katole	09
14.	Nilesh Bhanu Nayak	08
15.	Nilima Harichndra Balbudhe	10
16.	Pallavi Kashinath Lonkar	12
17.	Prachi Manoj Singh	10
18.	Prajakta Sanjay Puranik	12
19.	Prajwal Thakare	10
20.	Pratiksha Khemraj Zure	09
21.	Priyanka Babulal Jangid	06
22.	Rashmi Rewaram Nanhe	12
23.	Roshan Sanjay Bhalshankar	10
24.	Rupal Dewaji Gumgaonkar	AB
25.	Sagar Mahipal Motghare	15
26.	Sameer Anil Deshmukh	12
27.	Sampada Avinash Salphale	14
28.	Sana Parveen Sheikh	11
29.	Shivani Pramod Pawade	10
30.	Shraddha Subodh Wasnik	10
31.	Shubham Devidas Damedhar	12

32.	Shubham Nandkishor Rakas	09
33.	Shweta Ravindra Dhanorkar	AB
34.	Surabhi Sanjay Wasnik	12
35.	Swati Kaushlendra Mishra	16
36.	Vaibhav Sanjay Hirekhan	10
37.	Vaishnavi Vishnu Makde	12
38.	Yogita Ajit Kaushal	10



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



Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Session 2018-19

Master of Science (M. Sc.) Semester – II (Computer Science)
Theory of Computation and Compiler Construction (Paper-II)
Unit Test – I

Time: 1 Hour]

[Maximum Marks: 20

Q. 1 (Solve any two question)

- A. State and prove the pumping lemma for context of free languages. 8
- B. Prove that if L is a set accepted by a NFA, then exists a DFA that accepts L. 8
- C. Explain: (i) Chomsky Normal Form
(ii) Greibach Normal Form
(iii) Non deterministic finite automata
(iv) Regular expression. 8
- D. Design Turing machine to recognize the language: $\{0^n 1^n 0^n \mid n \geq 1\}$. 8

Q. 2 (Solve any one question)

- A. Non deterministic finite automata. 4
- B. Explain Turing machine as Enumerator. 4
- C. Explain Context sensitive language. 4



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



**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Department of Computer Science
M. Sc. Semester – II (Computer Science) Session 2018-19
Unit Test - II**

Name of Teacher: Dr. M. T. Wanjari

Date: 10/04/2019

Subject: Theory of Computation and Compiler Construction (Paper-II)

Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Amit GirishPaliwal	10
2.	Ankita Chandrashekhar Bandhekar	12
3.	Faraz Mohammad Iqbal Sayyed	AB
4.	Gaurav Prabhakar Salwatkar	10
5.	Indrayani Parshuramkar	12
6.	Juhi Vijay Wadnerkar	10
7.	KetakiKumeriya	10
8.	Khyati Ghanshyam Patel	16
9.	Komal Gopal Thawkar	12
10.	LeenaPraful Chauhan	18
11.	Minakshi Subhash Hatwar	12
12.	NamrataVasant Rahangdale	12
13.	Nikita S. Katole	10
14.	Nilesh Bhanu Nayak	09
15.	Nilima Harichndra Balbudhe	12
16.	Pallavi Kashinath Lonkar	10
17.	Prachi Manoj Singh	14
18.	Prajakta Sanjay Puranik	10
19.	Prajwal Thakare	12
20.	Pratiksha Khemraj Zure	AB
21.	Priyanka Babulal Jangid	09
22.	Rashmi Rewaram Nanhe	10
23.	Roshan Sanjay Bhalshankar	12
24.	Rupal Dewaji Gumgaonkar	06
25.	Sagar Mahipal Motghare	16
26.	Sameer Anil Deshmukh	10
27.	Sampada Avinash Salphale	10
28.	Sana Parveen Sheikh	12
29.	Shivani Pramod Pawade	12
30.	Shraddha Subodh Wasnik	09
31.	Shubham Devidas Damedhar	10

32.	Shubham Nandkishor Rakas	10
33.	Shweta Ravindra Dhanorkar	08
34.	Surabhi Sanjay Wasnik	14
35.	Swati Kaushlendra Mishra	15
36.	Vaibhav Sanjay Hirekhan	AB
37.	Vaishnavi Vishnu Makde	13
38.	Yogita Ajit Kaushal	11



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
Session 2018-19**

**Master of Science (M. Sc.) Semester – II (Computer Science)
Theory of Computation and Compiler Construction (Paper-II)
Unit Test – II**

Time: 1 Hour]

[Maximum Marks: 20

Q. 1 (Solve any two question)

- A. State and prove the pumping lemma for context of free languages. 8
- B. Prove that if L is a set accepted by a NFA, then exists a DFA that accepts L. 8
- C. Explain: (i) Chomsky Normal Form
(ii) Greibach Normal Form
(iii) Non deterministic finite automata
(iv) Regular expression. 8
- D. Design Turing machine to recognize the language: $\{0^n 1^n 0^n \mid n \geq 1\}$. 8

Q. 2 (Solve any one question)

- A. Non deterministic finite automata. 4
- B. Explain Turing machine as Enumerator. 4
- C. Explain Context sensitive language. 4



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
Department of Computer Science
M. Sc. Semester – II (Computer Science) Session 2018-19
Unit Test - I**

Name of Teacher: Mr. S.S.Shende

Date: 14/03/2019

Subject: Computer Architecture and Organization (Paper-III) Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Amit GirishPaliwal	18
2.	Ankita Chandrashekhar Bandhekar	17
3.	Faraz Mohammad Iqbal Sayyed	Absent
4.	Gaurav Prabhakar Salwatkar	16
5.	Indrayani Parshuramkar	Absent
6.	Juhi Vijay Wadnerkar	Absent
7.	KetakiKumeriya	13
8.	KhyatiGhanshyam Patel	17
9.	KomalGopalThawkar	14
10.	LeenaPraful Chauhan	13
11.	MinakshiSubhashHatwar	16
12.	Namrata VasantRahangdale	18
13.	Nikita S. Katole	17
14.	NileshBhanuNayak	Absent
15.	NilimaHarichndraBalbudhe	16
16.	PallaviKashinathLonkar	13
17.	PrachiManoj Singh	17
18.	Prajakta Sanjay Puranik	14
19.	PrajwalThakare	16
20.	PratikshaKhemrajZure	Absent
21.	PriyankaBabulalJangid	12
22.	RashmiRewaramNanhe	11
23.	Roshan Sanjay Bhalshankar	16
24.	RupalDewajiGumgaonkar	13
25.	SagarMahipalMotghare	17
26.	Sameer Anil Deshmukh	12
27.	SampadaAvinashSalphale	13
28.	Sana Parveen Sheikh	12
29.	ShivaniPramodPawade	18
30.	ShraddhaSubodhWasnik	17
31.	ShubhamDevidasDamedhar	17
32.	ShubhamNandkishorRakas	Absent

33.	ShwetaRavindraDhanorkar	14
34.	Surabhi Sanjay Wasnik	13
35.	Swati Kaushlendra Mishra	17
36.	Vaibhav Sanjay Hirekhan	12
37.	Vaishnavi Vishnu Makde	13
38.	YogitaAjitKaushal	12



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
Department of Computer Science
M.Sc. Semester-II (Computer Science) Session 2018-2019
Computer Architecture & Organization (Paper III)
Unit Test - I**

Time: 1 hour]

[Maximum Marks: 20

Q1. Answer the Following (Any 2)

- | | |
|---|---|
| A. Explain Instruction set in in computer architecture? | 8 |
| B. Explain any one method of hardwired control unit design in detail. | 8 |
| C. What is hardware and software ? What are their roles in computer design ? Explain how they interact with each other. | 8 |
| D. What is Pipelining ? Explain its advantages. | 8 |

Q2. Answer the Following (Any 1)

- | | |
|---|---|
| A. Explain Addressing Modes in computer architecture? | 4 |
| B. Explain instruction and execution cycle? | 4 |
| C. Explain superscalar processors in computer architecture? | 4 |



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
Department of Computer Science
M. Sc. Semester – II (Computer Science) Session 2018-19
Unit Test - II**

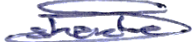
Name of Teacher: Mr. S.S.Shende

Date: 18/04/2019

Subject: Computer Architecture and Organization (Paper-III) Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Amit GirishPaliwal	13
2.	Ankita Chandrashekhar Bandhekar	16
3.	Faraz Mohammad Iqbal Sayyed	18
4.	Gaurav Prabhakar Salwatkar	17
5.	Indrayani Parshuramkar	Absent
6.	Juhi Vijay Wadnerkar	18
7.	KetakiKumeriya	17
8.	KhyatiGhanshyam Patel	12
9.	KomalGopalThawkar	16
10.	LeenaPraful Chauhan	17
11.	MinakshiSubhashHatwar	Absent
12.	NamrataVasantRahangdale	16
13.	Nikita S. Katole	16
14.	NileshBhanuNayak	13
15.	NilimaHarichndraBalbudhe	13
16.	PallaviKashinathLonkar	16
17.	PrachiManoj Singh	18
18.	Prajakta Sanjay Puranik	17
19.	PrajwalThakare	Absent
20.	PratikshaKhemrajZure	18
21.	PriyankaBabulalJangid	17
22.	RashmiRewaramNanhe	12
23.	Roshan Sanjay Bhalshankar	16
24.	RupalDewajiGumgaonkar	17
25.	SagarMahipalMotghare	Absent
26.	Sameer Anil Deshmukh	18
27.	SampadaAvinashSalphale	17
28.	Sana Parveen Sheikh	Absent
29.	ShivaniPramodPawade	16
30.	ShraddhaSubodhWasnik	Absent
31.	ShubhamDevidasDamedhar	Absent

32.	ShubhamNandkishorRakas	13
33.	ShwetaRavindraDhanorkar	17
34.	Surabhi Sanjay Wasnik	14
35.	Swati Kaushlendra Mishra	13
36.	Vaibhav Sanjay Hirekhan	16
37.	Vaishnavi Vishnu Makde	18
38.	YogitaAjitKaushal	17



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
Department of Computer Science
M.Sc. Semester-II (Computer Science) Session 2018-2019
Computer Architecture & Organization (Paper III)
Unit Test - II**

Time: 1 hour]

Maximum [Marks: 20

Q1. Answer the Following (Any 2)

- A. What are the different storage technologies ?
Explain each one with suitable example. 8
- B. Write short notes on Transaction Processing Benchmarks. 8
- C. Write short notes on : 8
(i) Segmentation (ii) Paging.
- D. What is interrupt ? What are its types ? Explain step wise actions
which take place when I/O device interrupt the CPU. 8

Q2. Answer the Following (Any 1)

- A. Explain memory hierarchy in detail. 4
- B. Classify the memories on the basis of speed. 4
- C. Explain vectored interrupt scheme in detail. 4



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
Department of Computer Science
M. Sc. Semester – II (Computer Science) Session 2018-19
Unit Test - I**

**Name of Teacher: Ms. Pooja M. Dadhe
Subject: Computer Graphics (Paper-IV)**

**Date: 18/01/2019
Maximum Marks: 20**

Sr. No.	Name of Students	Obtained Marks
1.	Amit Girish Paliwal	13
2.	Ankita Chandrashekhar Bandhekar	15
3.	Faraz Mohammad Iqbal Sayyed	12
4.	Gaurav Prabhakar Salwatkar	19
5.	Indrayani Parshuramkar	10
6.	Juhi Vijay Wadnerkar	14
7.	Ketaki Kumeriya	Absent
8.	Khyati Ghanshyam Patel	20
9.	Komal Gopal Thawkar	8
10.	Leena Praful Chauhan	10
11.	Minakshi Subhash Hatwar	20
12.	Namrata Vasant Rahangdale	17
13.	Nikita S. Katole	15
14.	Nilesh Bhanu Nayak	10
15.	Nilima Harichndra Balbudhe	8
16.	Pallavi Kashinath Lonkar	11
17.	Prachi Manoj Singh	14
18.	Prajakta Sanjay Puranik	Absent
19.	Prajwal Thakare	17
20.	Pratiksha Khemra jZure	8
21.	Priyanka Babulal Jangid	20
22.	Rashmi Rewaram Nanhe	10
23.	Roshan Sanjay Bhalshankar	11
24.	Rupal Dewaji Gumgaonkar	20
25.	Sagar Mahipal Motghare	16
26.	Sameer Anil Deshmukh	20
27.	Sampada Avinash Salphale	18
28.	Sana Parveen Sheikh	12
29.	Shivani Pramod Pawade	14
30.	Shraddha Subodh Wasnik	12
31.	Shubham Devidas Damedhar	12

32.	Shubham Nandkishor Rakas	10
33.	Shweta Ravindra Dhanorkar	Absent
34.	Surabhi Sanjay Wasnik	11
35.	Swati Kaushlendra Mishra	17
36.	Vaibhav Sanjay Hirekhan	15
37.	Vaishnavi Vishnu Makde	17
38.	Yogita Ajit Kaushal	10



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 2018-2019

Master of Science(M.Sc.) (Computer Science) (Semester-II)

Computer Graphics-IV

Unit Test - I

Time :1 Hour

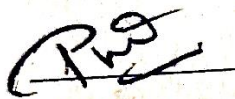
Total Marks 20

Question 1. Solve any two

- | | |
|---|---|
| A. What are Video display devices, Explain any two? | 8 |
| B. Explain DDA algorithm. | 8 |
| C. Explain in details Flat Panel Display? | 8 |
| D. Discuss in detail Ellipse generating algorithm. | 8 |

Question 2. Solve any one

- | | |
|---|---|
| A. Explain in details Color CRT Monitors? | 4 |
| B. Differentiate parallel and perspective projection. | 4 |
| C. What are the graphics software? What do you mean by coordinate representation? | 4 |



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



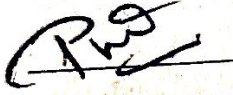
**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Department of Computer Science
M. Sc. Semester – II (Computer Science) Session 2018-19
Unit Test - II**

**Name of Teacher: Ms. Pooja M. Dadhe
Subject: Computer Graphics (Paper-IV)**

**Date: 27/02/2019
Maximum Marks: 20**

Sr. No.	Name of Students	Obtained Marks
1.	Amit Girish Paliwal	19
2.	Ankita Chandrashekhar Bandhekar	13
3.	Faraz Mohammad Iqbal Sayyed	14
4.	Gaurav Prabhakar Salwatkar	16
5.	Indrayani Parshuramkar	11
6.	Juhi Vijay Wadnerkar	12
7.	Ketaki Kumeriya	10
8.	Khyati Ghanshyam Patel	13
9.	Komal Gopal Thawkar	19
10.	Leena Praful Chauhan	12
11.	Minakshi Subhash Hatwar	12
12.	Namrata Vasant Rahangdale	Absent
13.	Nikita S. Katole	18
14.	Nilesh Bhanu Nayak	17
15.	Nilima Harichndra Balbudhe	16
16.	Pallavi Kashinath Lonkar	7
17.	Prachi Manoj Singh	18
18.	Prajakta Sanjay Puranik	18
19.	Prajwal Thakare	9
20.	Pratiksha Khemra jZure	11
21.	Priyanka Babulal Jangid	18
22.	Rashmi Rewaram Nanhe	10
23.	Roshan Sanjay Bhalshankar	14
24.	Rupal Dewaji Gumgaonkar	Absent
25.	Sagar Mahipal Motghare	14
26.	Sameer Anil Deshmukh	17
27.	Sampada Avinash Salphale	8
28.	Sana Parveen Sheikh	19
29.	Shivani Pramod Pawade	Absent
30.	Shraddha Subodh Wasnik	14
31.	Shubham Devidas Damedhar	9

32.	Shubham Nandkishor Rakas	17
33.	Shweta Ravindra Dhanorkar	9
34.	Surabhi Sanjay Wasnik	15
35.	Swati Kaushlendra Mishra	15
36.	Vaibhav Sanjay Hirekhan	19
37.	Vaishnavi Vishnu Makde	12
38.	Yogita Ajit Kaushal	10



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 2018-2019**

**Master of Science(M.Sc.) (Computer Science) (Semester-II)
Computer Graphics-IV
Unit Test - II**

Time :1 Hour

Total Marks 20

Question 1. Solve any two

- | | |
|--|---|
| A. Explain Cohen-Sutherland line clipping algorithm. | 8 |
| B. Explain the conversion of CMY to RGB representation. | 8 |
| C. What are transformations? Explain 2-D Transformations of an object. | 8 |
| D. Explain Fractal generation procedure in detail. | 8 |

Question 2. Solve any one

- | | |
|--|---|
| A. Compare the parallel and perspective projections? | 4 |
| B. Explain HSV color model. | 4 |
| C. Explain Gouraud shading. | 4 |



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
Department of Computer Science
M. Sc. Semester – IV (Computer Science) Session 2018-19
Unit Test - I**

**Name of Teacher: Mrs. V.C.Pande
Subject: Dat Mining (Paper-I)**

**Date: 08/02/2019
Maximum Marks: 20**

Sr. No.	Name of Students	Obtained Marks
1.	AdarshManoharraoLonare	16
2.	Anagha Anil Joshi	15
3.	Anand Rajesh Gupta	14
4.	Anita SharadDhira	11
5.	Ashish LaxmanAgase	10
6.	BakshishzaheraIshteyaqueHusain Jafri	09
7.	DikshaMoreshwarChoudhary	Absent
8.	DikshaShalikramRahangdale	18
9.	DivyaShatrughanBelekar	15
10.	Gaurav Ashok Meshram	11
11.	JuhiVijayanandGhate	Absent
12.	Karan NareshMatale	14
13.	KishoriChandrabhan Rode	16
14.	MadhuriTukaramNagpure	15
15.	Mayuri Pradeep Khade	14
16.	Monika BhujangraoDaf	11
17.	MukulSushilkumar Dixit	16
18.	NehaShamraoParate	15
19.	PallaviShrinarayan Agrawal	14
20.	PayalShravanMourya	11
21.	PoojaAmbadaaji Sable	10
22.	PranotiKhemrajBarsagade	09
23.	PrarthanaRamjag Pandey	16
24.	PriyankaOnkarsinghParmar	15
25.	Puja Ashok Gaidhani	14
26.	RaginiSiddharthParekar	11
27.	Rutuja Sunil Telpande	10
28.	ShrutikaVinodLokhande	09
29.	ShubhangiDhanpalSarve	Absent
30.	Sneha Sanjay Patil	18
31.	SnehalMotiramChukekar	15

32.	SurabhiMoreswar Joshi	11
33.	Taniya C. Lakhawani	Absent
34.	Vaibhavi Ramesh Mohurle	14
35.	VarunDilipMoghe	16



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 2018-2019
Master of science(M.sc.) Semester-IV (Computer Science)
Data Mining (Paper-I)
Unit Test -I**

[Time: 1 Hour]

[Maximum Marks:20]

Q1. Answer the Following (Any 2)

- | | |
|--|---|
| A. Elaborate the application areas and challenges of Data mining. | 8 |
| B. What is Data Mining ? Explain concept of Commercial viewpoint and Scientific viewpoint. | 8 |
| C. What are the different measures of location required for data mining ? | 8 |
| D. What are different measures of spread in Data Mining ? | 8 |

Q2. Answer the Following (Any 1)

- | | |
|--|---|
| A. Explain Attribute Transformation in detail. | 4 |
| B. What are different practical issues involved in classification of data mining ? | 4 |
| C. Explain Matrix Plot. | 4 |



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
Department of Computer Science
M. Sc. Semester – IV (Computer Science) Session 2018-19
Unit Test - II

Name of Teacher: Mrs. V.C.Pande
Subject: Dat Mining (Paper-I)

Date: 08/02/2019
Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	AdarshManoharraoLonare	16
2.	Anagha Anil Joshi	15
3.	Anand Rajesh Gupta	14
4.	Anita SharadDhira	11
5.	Ashish LaxmanAgase	10
6.	BakshishzaheraIshteyaqueHusain Jafri	15
7.	DikshaMoreshwarChoudhary	14
8.	DikshaShalikramRahangdale	11
9.	DivyaShatrughanBelekar	10
10.	Gaurav Ashok Meshram	09
11.	JuhiVijayanandGhate	Absent
12.	Karan NareshMatale	18
13.	KishoriChandrabhan Rode	15
14.	MadhuriTukaramNagpure	11
15.	Mayuri Pradeep Khade	16
16.	Monika BhujangraoDaf	15
17.	MukulSushilkumar Dixit	14
18.	NehaShamraoParate	11
19.	PallaviShrinarayan Agrawal	10
20.	PayalShravanMourya	09
21.	PoojaAmbadasji Sable	16
22.	PranotiKhemrajBarsagade	15
23.	PrarthanaRamjag Pandey	14
24.	PriyankaOnkarsinghParmar	11
25.	Puja Ashok Gaidhani	10
26.	RaginiSiddharthParekar	09
27.	Rutuja Sunil Telpande	Absent
28.	ShrutikaVinodLokhande	18
29.	ShubhangiDhanpalSarve	15
30.	Sneha Sanjay Patil	11
31.	SnehalMotiramChukekar	Absent
32.	SurabhiMoreshwar Joshi	14

33.	Taniya C. Lakhawani	16
34.	Vaibhavi Ramesh Mohurle	15
35.	VarunDilipMoghe	14



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 2018-2019
M.sc. Semester-IV (Computer Science)
Data Mining (Paper-I)
Unit Test - II**

Time: 1 Hour]

[Maximum Marks:20

Q1. Answer the Following (Any 2)

- | | |
|--|---|
| A. Explain nearest neighbour classifier in detail. | 8 |
| B. Explain the concept of Association analysis. | 8 |
| C. What is Anomaly detection ? Differentiate between outlier and anomaly detection . | 8 |
| D. What are the limitations on current merging schemes? Explain in detail. | 8 |

Q2. Answer the Following (Any 1)

- | | |
|--|---|
| A. What is rule-based classifier ? | 4 |
| B. Explain hierarchical clustering. | 4 |
| C. What are the different characteristic of spatial data sets? | 4 |



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
Department of Computer Science
M. Sc. Semester – IV (Computer Science) Session 2018-19
Unit Test - I**

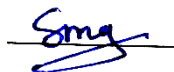
Name of Teacher: Mrs. S.M.Gaikwad

Date: 08/02/2019

Subject: Artificial Intelligence and Expert System (Paper-II) Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Adarsh Manoharrao Lonare	17
2.	Anagha Anil Joshi	14
3.	Anand Rajesh Gupta	16
4.	Anita SharadDhira	Absent
5.	Ashish LaxmanAgase	12
6.	Bakshish zahera Ishteyaque Husain Jafri	Absent
7.	DikshaMoreswarChoudhary	14
8.	DikshaShalikramRahangdale	13
9.	DivyaShatrughanBelekar	16
10.	Gaurav Ashok Meshram	13
11.	JuhiVijayanandGhate	Absent
12.	Karan NareshMatale	Absent
13.	KishoriChandrabhan Rode	12
14.	MadhuriTukaramNagpure	16
15.	Mayuri Pradeep Khade	13
16.	Monika BhujangraoDaf	17
17.	MukulSushilkumar Dixit	12
18.	NehaShamraoParate	13
19.	PallaviShrinarayan Agrawal	12
20.	PayalShravanMourya	18
21.	PoojaAmbadasji Sable	17
22.	PranotiKhemrajBarsagade	17
23.	PrarthanaRamjag Pandey	Absent
24.	PriyankaOnkarsinghParmar	14
25.	Puja Ashok Gaidhani	13
26.	RaginiSiddharthParekar	16
27.	Rutuja Sunil Telpande	13
28.	ShrutikaVinodLokhande	Absent
29.	ShubhangiDhanpalSarve	13
30.	Sneha Sanjay Patil	16
31.	SnehalMotiramChukekar	15

32.	SurabhiMoreswar Joshi	13
33.	Taniya C. Lakhawani	13
34.	Vaibhavi Ramesh Mohurle	11
35.	VarunDilipMoghe	Absent



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
Department of Computer Science
M.Sc. Semester-IV (Computer Science) Session 2018-2019
Artificial Intelligence & Expert System (Paper II)
Unit Test-I**

Time: 1 hour]

[Maximum Marks: 20

Q1. Answer the Following (Any 2)

- | | |
|---|---|
| A. Explain and write algorithm A*. | 8 |
| B. Explain the Forward versus Backward Reasoning. | 8 |
| C. What is artificial intelligence? Discuss the different techniques of artificial intelligence. | 8 |
| D. What are computation functions? Discuss in detail how to judge the solution is available or not for the given problem? | 8 |

Q2. Answer the Following (Any 1)

- | | |
|--|---|
| A. Explain the different characteristics of problem solving. | 4 |
| B. Discuss the Heuristic Search. | 4 |
| C. Explain Expert system. | 4 |



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
Department of Computer Science
M. Sc. Semester – IV (Computer Science) Session 2018-19
Unit Test - II**

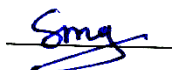
Name of Teacher: Mrs. S.M.Gaikwad

Date: 13/03/2019

Subject: Artificial Intelligence and Expert System (Paper-II) Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Adarsh Manoharrao Lonare	14
2.	Anagha Anil Joshi	13
3.	Anand Rajesh Gupta	16
4.	Anita SharadDhira	13
5.	Ashish LaxmanAgase	17
6.	Bakshish zahera Ishteyaque Husain Jafri	12
7.	DikshaMoreshwarChoudhary	13
8.	DikshaShalikramRahangdale	12
9.	DivyaShatrughanBelekar	18
10.	Gaurav Ashok Meshram	17
11.	JuhiVijayanandGhate	12
12.	Karan NareshMatale	16
13.	KishoriChandrabhan Rode	13
14.	MadhuriTukaramNagpure	13
15.	Mayuri Pradeep Khade	17
16.	Monika BhujangraoDaf	Absent
17.	MukulSushilkumar Dixit	14
18.	NehaShamraoParate	13
19.	PallaviShrinarayan Agrawal	16
20.	PayalShravanMourya	13
21.	PoojaAmbadasji Sable	Absent
22.	PranotiKhemrajBarsagade	Absent
23.	PrarthanaRamjag Pandey	13
24.	PriyankaOnkarsinghParmar	17
25.	Puja Ashok Gaidhani	14
26.	RaginiSiddharthParekar	16
27.	Rutuja Sunil Telpande	Absent
28.	ShrutikaVinodLokhande	12
29.	ShubhangiDhanpalSarve	11
30.	Sneha Sanjay Patil	13
31.	SnehalMotiramChukekar	17

32.	SurabhiMoreswar Joshi	Absent
33.	Taniya C. Lakhawani	14
34.	Vaibhavi Ramesh Mohurle	13
35.	VarunDilipMoghe	16
36.	Swapnil J. Jilhare	17



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
Department of Computer Science
M.Sc. Semester-IV (Computer Science) Session 2018-2019
Artificial Intelligence & Expert System (Paper II)
Unit Test - II**

Time: 1 hour]


[Maximum Marks: 20

Q1. Answer the Following (Any 2)

- | | |
|---|---|
| A. Explain and write algorithm A*. | 8 |
| B. Explain the Forward versus Backward Reasoning. | 8 |
| C. What is artificial intelligence? Discuss the different techniques of artificial intelligence. | 8 |
| D. What are computation functions? Discuss in detail how to judge the solution is available or not for the given problem? | 8 |

Q2. Answer the Following (Any 1)

- | | |
|--|---|
| A. Explain the different characteristics of problem solving. | 4 |
| B. Discuss the Heuristic Search. | 4 |
| C. Explain Expert system. | 4 |



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
Department of Computer Science
M. Sc. Semester – IV (Computer Science) Session 2018-19
Unit Test - I**

**Name of Teacher: Ms. Shubhangi B. Raipure
Subject: Embedded System (Paper-III)**

**Date: 23/01/2019
Maximum Marks: 20**

Sr. No.	Name of Students	Obtained Marks
1.	Adarsh Manoharrao Lonare	13
2.	Anagha Anil Joshi	Absent
3.	Anand Rajesh Gupta	17
4.	Anita Sharad Dhira	12
5.	Ashish Laxman Agase	10
6.	Bakshish zahera Ishteyaque Husain Jafri	19
7.	Diksha Moreshwar Choudhary	17
8.	Diksha Shalikram Rahangdale	15
9.	Divya Shatrughan Belekar	19
10.	Gaurav Ashok Meshram	17
11.	Juhi Vijayanand Ghate	14
12.	Karan Naresh Matale	12
13.	Kishori Chandrabhan Rode	18
14.	Madhuri Tukaram Nagpure	15
15.	Mayuri Pradeep Khade	20
16.	Monika Bhujangrao Daf	11
17.	Mukul Sushilkumar Dixit	Absent
18.	Neha Shamrao Parate	19
19.	Pallavi Shrinarayan Agrawal	16
20.	Payal Shravan Mourya	12
21.	Pooja Ambadasji Sable	16
22.	Pranoti Khemraj Barsagade	13
23.	Prarthana Ramjag Pandey	Absent
24.	Priyanka Onkarsingh Parmar	16
25.	Puja Ashok Gaidhani	18
26.	Ragini Siddharth Parekar	9
27.	Rutuja Sunil Telpande	8
28.	Shrutika Vinod Lokhande	11
29.	Shubhangi Dhanpal Sarve	Absent
30.	Sneha Sanjay Patil	18
31.	Snehal Motiram Chukekar	16

32.	Surabhi Moreshwar Joshi	20
33.	Taniya C. Lakhawani	12
34.	Vaibhavi Ramesh Mohurle	16
35.	Varun Dilip Moghe	20
36.	Swapnil J. Jilhare	16



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 2018-2019
Master of Science(M.Sc.) (Computer Science) (Semester-IV)
Embedded System -III
Unit Test - I**

Time :1 Hour

Total Marks 20

Question 1. Solve any two

- | | |
|---|---|
| A. Define embedded system. What are type of embedded system? What are the Skills required for embedded system design? | 8 |
| B. What are the source of Interrupt? How can embedded system handle interrupt? | 8 |
| C. Explain serial and parallel port device driver in a system. | 8 |
| D. Explain serial and parallel port device driver in a system. | 8 |

Question 2. Solve any one

- | | |
|---|---|
| A. Explain in short the process of embedded system development. | 4 |
| B. Explain use of VLSI circuit. | 4 |
| C. Explain interrupt latency. | 4 |



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
Department of Computer Science
M. Sc. Semester – IV (Computer Science) Session 2018-19
Unit Test - II**

**Name of Teacher: Ms. Shubhangi B. Raipure
Subject: Embedded System (Paper-III)**

**Date: 06/02/2019
Maximum Marks: 20**

Sr. No.	Name of Students	Obtained Marks
1.	Adarsh Manoharrao Lonare	12
2.	Anagha Anil Joshi	18
3.	Anand Rajesh Gupta	17
4.	Anita Sharad Dhira	17
5.	Ashish Laxman Agase	16
6.	Bakshish zahera Ishteyaque Husain Jafri	11
7.	Diksha Moreshwar Choudhary	12
8.	Diksha Shalikram Rahangdale	14
9.	Divya Shatrughan Belekar	8
10.	Gaurav Ashok Meshram	Absent
11.	Juhi Vijayanand Ghate	12
12.	Karan Naresh Matale	11
13.	Kishori Chandrabhan Rode	18
14.	Madhuri Tukaram Nagpure	20
15.	Mayuri Pradeep Khade	10
16.	Monika Bhujangrao Daf	18
17.	Mukul Sushilkumar Dixit	10
18.	Neha Shamrao Parate	19
19.	Pallavi Shrinarayan Agrawal	17
20.	Payal Shravan Mourya	17
21.	Pooja Ambadasji Sable	15
22.	Pranoti Khemraj Barsagade	11
23.	Prarthana Ramjag Pandey	15
24.	Priyanka Onkarsingh Parmar	20
25.	Puja Ashok Gaidhani	13
26.	Ragini Siddharth Parekar	11
27.	Rutuja Sunil Telpande	12
28.	Shrutika Vinod Lokhande	Absent
29.	Shubhangi Dhanpal Sarve	19
30.	Sneha Sanjay Patil	17
31.	Snehal Motiram Chukekar	17

32.	Surabhi Moreshwar Joshi	20
33.	Taniya C. Lakhawani	15
34.	Vaibhavi Ramesh Mohurle	Absent
35.	Varun Dilip Moghe	9



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 2018-2019
Master of Science(M.Sc.) (Computer Science) (Semester-IV)
Embedded System -III
Unit Test - II**

Time :1 Hour

Total Marks 20

Question 1. Solve any two

- | | |
|--|---|
| A. What are the service of RTOS for process management? | 8 |
| B. Explain window CE operating system. | 8 |
| C. What is simulator? Explain importance of simulator for embedded system development. | 8 |
| D. Explain: | 8 |
| A. Message queue function | |
| B. Mailbox function | |

Question 2. Solve any one

- | | |
|--|---|
| A. Differentiate thread and processes. | 4 |
| B. Explain architecture of RT Linux. | 4 |
| C. Explain RTOS VXWORKS in detail. | 4 |



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
Department of Computer Science
M. Sc. Semester – IV (Computer Science) Session 2018-19
Unit Test - I**

**Name of Teacher: Dr. M. T. Wanjari
Subject: Parallel Computing (Paper-IV)**

**Date: 23/02/2019
Maximum Marks: 20**

Sr. No.	Name of Students	Obtained Marks
1.	Adarsh Manoharrao Lonare	09
2.	Anagha Anil Joshi	10
3.	Anand Rajesh Gupta	09
4.	Anita Sharad Dhira	12
5.	Ashish Laxman Agase	14
6.	Bakshish zahera Ishteyaque Husain Jafri	08
7.	Diksha Moreshwar Choudhary	AB
8.	Diksha Shalikram Rahangdale	10
9.	Divya Shatrughan Belekar	12
10.	Gaurav Ashok Meshram	09
11.	Juhi Vijayanand Ghate	16
12.	Karan Naresh Matale	12
13.	Kishori Chandrabhan Rode	10
14.	Madhuri Tukaram Nagpure	09
15.	Mayuri Pradeep Khade	10
16.	Monika Bhujangrao Daf	12
17.	Mukul Sushilkumar Dixit	12
18.	Neha Shamrao Parate	14
19.	Pallavi Shrinarayan Agrawal	10
20.	Payal Shravan Mourya	13
21.	Pooja Ambadasji Sable	10
22.	Pranoti Khemraj Barsagade	10
23.	Prarthana Ramjag Pandey	12
24.	Priyanka Onkarsingh Parmar	12
25.	Puja Ashok Gaidhani	14
26.	Ragini Siddharth Parekar	10
27.	Rutuja Sunil Telpande	13
28.	Shrutika Vinod Lokhande	14
29.	Shubhangi Dhanpal Sarve	12
30.	Sneha Sanjay Patil	14
31.	Snehal Motiram Chukekar	12

32.	Surabhi Moreshwar Joshi	10
33.	Taniya C. Lakhawani	10
34.	Vaibhavi Ramesh Mohurle	AB
35.	Varun Dilip Moghe	14



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



Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Session 2018-19

Master of Science (M. Sc.) Semester – IV (Computer Science)

Parallel Computing (Paper-IV)

Unit Test – I

Time: 1 Hour]

[Maximum Marks: 20

Q. 1 (Solve any two question)

- | | |
|--|---|
| A. Explain One-to-All Broadcast and All-to-One reduction. | 8 |
| B. What are the characteristics of Tasks and Interactions? | 8 |
| C. Explain the network topologies in parallel computing. | 8 |
| D. Discuss cache coherence in multiprocessor system. | 8 |

Q. 2 (Solve any one question)

- | | |
|--|---|
| A. Explain the evaluating static interconnection networks. | 4 |
| B. Discuss all reduce and prefix-sum operations. | 4 |
| C. Write notes on scatter and gather. | 4 |



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



**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Department of Computer Science
M. Sc. Semester – IV (Computer Science) Session 2018-19
Unit Test - II**

**Name of Teacher: Dr. M. T. Wanjari
Subject: Parallel Computing (Paper-IV)**

**Date: 19/03/2019
Maximum Marks: 20**

Sr. No.	Name of Students	Obtained Marks
1.	Adarsh Manoharrao Lonare	10
2.	Anagha Anil Joshi	12
3.	Anand Rajesh Gupta	10
4.	Anita Sharad Dhira	AB
5.	Ashish Laxman Agase	15
6.	Bakshish zahera Ishteyaque Husain Jafri	10
7.	Diksha Moreshwar Choudhary	13
8.	Diksha Shalikram Rahangdale	14
9.	Divya Shatrughan Belekar	14
10.	Gaurav Ashok Meshram	10
11.	Juhi Vijayanand Ghate	16
12.	Karan Naresh Matale	10
13.	Kishori Chandrabhan Rode	09
14.	Madhuri Tukaram Nagpure	10
15.	Mayuri Pradeep Khade	12
16.	Monika Bhujangrao Daf	10
17.	Mukul Sushilkumar Dixit	14
18.	Neha Shamrao Parate	13
19.	Pallavi Shrinarayan Agrawal	10
20.	Payal Shravan Mourya	11
21.	Pooja Ambadasji Sable	12
22.	Pranoti Khemraj Barsagade	10
23.	Prarthana Ramjag Pandey	13
24.	Priyanka Onkarsingh Parmar	10
25.	Puja Ashok Gaidhani	14
26.	Ragini Siddharth Parekar	10
27.	Rutuja Sunil Telpande	08
28.	Shrutika Vinod Lokhande	10
29.	Shubhangi Dhanpal Sarve	10
30.	Sneha Sanjay Patil	12

31.	Snehal Motiram Chukekar	08
32.	Surabhi Moreshwar Joshi	09
33.	Taniya C. Lakhawani	10
34.	Vaibhavi Ramesh Mohurle	10
35.	Varun Dilip Moghe	12
36.	Vaibhav Sanjay Hirekhan	12
37.	Vaishnavi Vishnu Makde	14
38.	Yogita Ajit Kaushal	09



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

Session 2018-19

Master of Science (M. Sc.) Semester – IV (Computer Science)

Parallel Computing (Paper-IV)

Unit Test – II

Time: 1 Hour]

[Maximum Marks: 20

Q. 1 (Solve any two question)

- | | |
|---|---|
| A. Explain the synchronization primitives in Pthreads. | 8 |
| B. What are the tips for designing asynchronous programs? | 8 |
| C. What are the overlapping communication with computation? | 8 |
| D. What is MPT (Message Passing Interface) with example? | 8 |

Q. 2 (Solve any one question)

- | | |
|---|---|
| A. Describe the sources of overhead in parallel programs. | 4 |
| B. Write the principles of message-passing programming. | 4 |
| C. Discuss the thread cancellation. | 4 |



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

