

**Shri Shivaji Education Society Amravati's**  
**Science College, Congress Nagar, Nagpur**  
**Department of Computer Science**  
**M. Sc. Semester – I (Computer Science) Session 2017-2018**  
**Unit Test - I**

Name of Teacher: Ms. V.C.Pande

Date: 15/09/2017

Subject: Discrete Mathematical Structure (Paper I)

Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Adarsh Manoharrao Lonare	12
2.	Anagha Anil Joshi	13
3.	Anand Rajesh Gupta	12
4.	Anita Sharad Dhira	18
5.	Ashish LaxmanAgase	17
6.	Bakshish zahera Ishteyaque Husain Jafri	17
7.	DikshaMoreshwarChoudhary	Absent
8.	DikshaShalikramRahangdale	14
9.	DivyaShatrughanBelekar	13
10.	Gaurav Ashok Meshram	16
11.	Juhi Vijayanand Ghate	13
12.	Karan Naresh Matala	17
13.	Kishori Chandrabhan Rode	14
14.	Madhuri Tukaram Nagpure	16
15.	Mayuri Pradeep Khade	Absent
16.	Monika Bhujangrao Daf	12
17.	Mukul Sushilkumar Dixit	15
18.	Neha Shamrao Parate	14
19.	Pallavi Shrinarayan Agrawal	13
20.	PayalShravanMourya	16
21.	PoojaAmbadasji Sable	13
22.	PranotiKhemrajBarsagade	17
23.	PrarthanaRamjag Pandey	12
24.	PriyankaOnkarsinghParmar	13
25.	Puja Ashok Gaidhani	12
26.	RaginiSiddharthParekar	18
27.	Rutuja Sunil Telpande	13
28.	ShrutikaVinodLokhande	16
29.	ShubhangiDhanpalSarve	13
30.	Sneha Sanjay Patil	17
31.	SnehalMotiramChukekar	14
32.	SurabhiMoreshwar Joshi	16
33.	Taniya C. Lakhawani	Absent
34.	Vaibhavi Ramesh Mohurle	12
35.	VarunDilipMoghe	18



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 2017-2018  
Discrete Mathematical Structure (Paper I)  
Unit Test - I**

Time: 1 hour]

[Maximum Marks:20

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**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. Write the operations on sets with example? | 4 |
| B. Write the Recurrence Relations?            | 4 |
| C. Write the Equivalence Relations?           | 4 |



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**Science College, Congress Nagar, Nagpur**  
**Department of Computer Science**  
**M. Sc. Semester – I (Computer Science) Session 2017-18**  
**Unit Test - II**

Name of Teacher: Ms. V.C.Pande

Date: 13/10/2017

Subject: Discrete Mathematical Structure (Paper I)

Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Adarsh Manoharrao Lonare	18
2.	Anagha Anil Joshi	13
3.	Anand Rajesh Gupta	16
4.	Anita Sharad Dhira	13
5.	Ashish LaxmanAgase	17
6.	Bakshish zahera Ishteyaque Husain Jafri	14
7.	DikshaMoreswarChoudhary	16
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15.	Mayuri Pradeep Khade	Absent
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25.	Puja Ashok Gaidhani	Absent
26.	RaginiSiddharthParekar	12
27.	Rutuja Sunil Telpande	13
28.	ShrutikaVinodLokhande	12
29.	ShubhangiDhanpalSarve	18
30.	Sneha Sanjay Patil	17
31.	SnehalMotiramChukekar	17
32.	SurabhiMoreswar Joshi	Absent
33.	Taniya C. Lakhawani	14

34.	Vaibhavi Ramesh Mohurle	13
35.	Varun Dilip Moghe	16

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Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Department of Computer Science  
M.Sc. Semester-I (Computer Science) Session 2017-2018  
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 partially ordered sets in detail? 4
- B. What is minimal spanning tree? 4
- C. Explain the state machine? 4

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**Science College, Congress Nagar, Nagpur**  
**Department of Computer Science**  
**M. Sc. Semester – I (Computer Science) Session 2017-2018**  
**Unit Test - I**

**Name of Teacher: Dr. M. T. Wanjari**

**Date: 04/09/2017**

**Subject: Programming in Java (Paper-II)**

**Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	Adarsh Manoharrao Lonare	09
2.	Anagha Anil Joshi	10
3.	Anand Rajesh Gupta	08
4.	Anita Sharad Dhira	10
5.	Ashish LaxmanAgase	12
6.	Bakshish zahera Ishteyaque Husain Jafri	AB
7.	Diksha Moreshwar Choudhary	11
8.	Diksha Shalikram Rahangdale	12
9.	Divya Shatrughan Belekar	12
10.	Gaurav Ashok Meshram	08
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17.	Mukul Sushilkumar Dixit	10
18.	Neha Shamrao Parate	13
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22.	Pranoti Khemraj Barsagade	09
23.	Prarthana Ramjag Pandey	AB
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33.	Taniya C. Lakhawani	10
34.	Vaibhavi Ramesh Mohurle	11
35.	Varun Dilip Moghe	AB



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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Session 2017-2018  
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. How many types of inheritance does java support without interfaces? Explain with sample program. 8
- B. Explain structure of Array object and methods with example. 8
- C. What is Applet? Explain how it is different from a normal application. 8
- D. Explain the meaning of event, event source and event listener. 8

**Q. 2 (Solve any one question)**

- A. What is Applet? Explain how it is different from a normal application. 4
- B. Describe the life cycle of a thread. 4
- C. Explain with suitable example four different primitive data types. 4



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**Science College, Congress Nagar, Nagpur**  
**Department of Computer Science**  
**M. Sc. Semester – I (Computer Science) Session 2017-2018**  
**Unit Test - II**

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

**Date: 06/10/2017**  
**Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	Adarsh Manoharrao Lonare	10
2.	Anagha Anil Joshi	11
3.	Anand Rajesh Gupta	10
4.	Anita Sharad Dhira	14
5.	Ashish LaxmanAgase	12
6.	Bakshish zahera Ishteyaque Husain Jafri	09
7.	Diksha Moreswar Choudhary	12
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33.	Taniya C. Lakhawani	12
34.	Vaibhavi Ramesh Mohurle	10
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Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Session 2017-2018

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. What is constructor in java? Explain overloaded constructor. 8
- B. What is an interface? Explain why interface is needed in Java. 8
- C. Describe the life cycle of a thread. 8
- D. Explain the AWT components working with windows. 8

Q. 2 (Solve any one question)

- A. What do you mean by Java and Internet? 4
- B. Define an array. Why are they needed? 4
- C. Describe the life cycle of Applet. 4



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**Department of Computer Science**  
**M. Sc. Semester – I (Computer Science) Session 2017-2018**  
**Unit Test - I**

Name of Teacher: Mr. Sagar S. Shende

Date: 23/08/2017

Subject: Digital Electronics and Microprocessor (Paper-III)

Maximum Marks: 20

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

30.	Sneha Sanjay Patil	10
31.	Snehal Motiram Chukekar	12
32.	Surabhi Moreshwar Joshi	7
33.	Taniya C. Lakhawani	12
34.	Vaibhavi Ramesh Mohurle	8
35.	Varun Dilip Moghe	11



**Signature of the Teacher**



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**Shri Shivaji Education Society Amravati's  
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Academic Session 2017-2018  
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. What is a universal gate? Give examples. Realize the basic gates with any one universal gate. 8
- B. Explain any four Boolean laws and describe with suitable example 4 variable K-map. 8
- C. What is a half-adder? Explain a half-adder with the help of truth-table and logic diagram. 8
- D. What are logic gates? Explain all the basic gates giving their logic circuit, symbol and truth table. 8

**Question 2. Solve any one**

- A. What are real numbers? How are they represented in 8 bit computer? 4
- B. What is an encoder? Draw the logic circuit of Decimal to BCD encoder? 4
- C. What are logic gates? Explain all the basic gates giving their logic circuit, symbol and truth table. 4



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**Science College, Congress Nagar, Nagpur**  
**Department of Computer Science**  
**M. Sc. Semester – I (Computer Science) Session 2017-2018**  
**Unit Test - II**

Name of Teacher: Mr. Sagar S. Shende

Date: 29/09/2017

Subject: Digital Electronics and Microprocessor (Paper-III)

Maximum Marks: 20

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

32.	Surabhi Moreshwar Joshi	17
33.	Taniya C. Lakhawani	20
34.	Vaibhavi Ramesh Mohurle	20
35.	Varun Dilip Moghe	16



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Academic Session 2017-2018  
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. Explain with examples following addressing modes: 8
- i. Indexed Addressing
- ii. Based Indexed Addressing.
- C. What is a Shift Register? What are its various types? List out some applications of Shift Register. 8
- D. What are data transfer instructions? Explain any three with suitable examples. 8

**Question 2. Solve any one**

- A. Explain the construction and working of Up-Down Counter. 4
- B. What is operator? Give the classification of operators. 4
- C. What is race around condition? How it can be avoided? 4



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**Department of Computer Science**  
**M. Sc. Semester – I (Computer Science) Session 2017-2018**  
**Unit Test - I**

**Name of Teacher: Mrs. A.M.Taori**

**Date: 20/09/2017**

**Subject: Advanced DBMS and Administration (Paper-IV)**

**Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	Adarsh Manoharrao Lonare	14
2.	Anagha Anil Joshi	15
3.	Anand Rajesh Gupta	15
4.	Anita Sharad Dhira	19
5.	Ashish LaxmanAgase	11
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**Shri Shivaji Education Society Amravati's  
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Academic Session 2017-2018  
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. What do you mean by Normalisation ? Explain 2NF and 3NF with suitable example. 8
- B. Explain any two methods of joining tables. 8
- C. Explain database environment for client server computing . 8
- D. Discuss concurrency control and time stamp ordering. 8

**Q2. Answer the Following (Any 1)**

- A. Explain lossless decomposition with example. 4
- B. Explain types of failure obtained in DBMS. 4
- C. Explain ACID properties in brief 4

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**Science College, Congress Nagar, Nagpur**  
**Department of Computer Science**  
**M. Sc. Semester – I (Computer Science) Session 2017-2018**  
**Unit Test - II**

Name of Teacher: Mrs. A.M.Taori

Date: 19/10/2017

Subject: Advanced DBMS and Administration (Paper-IV)

Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Adarsh Manoharrao Lonare	13
2.	Anagha Anil Joshi	12
3.	Anand Rajesh Gupta	15
4.	Anita Sharad Dhira	16
5.	Ashish LaxmanAgase	12
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Academic Session 2017-2018**

**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. Explain : (i) Control file (ii) Redo log files .         | 8 |
| B. Explain Oracle database architecture.                    | 8 |
| C. Explain process of database configuration of I/O issues. | 8 |
| D. Explain database security issues.                        | 8 |

**Q2. Answer the Following (Any 1)**

- |  |   |
|--|---|
| A. Explain the tablespace and data files             | 4 |
| B. What is monitoring and detecting lock contention. | 4 |
| C. What is optimal storage clause ? 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 2017-18**  
**Unit Test – I**

Name of Teacher: Mrs. S.M.Gaikwad

Date: 09/08/2017

Subject: Data Communication & Network (Paper I)

Maximum Marks: 20

Sr. No.	Name of Students	Obtained Marks
1.	Anuja R. Deshmukh	16
2.	Apeksha B. Yendge	Absent
3.	Aradhana S. Tarpe	12
4.	Dhanashree M. Gomase	11
5.	Dimple N. Sharma	16
6.	Gitanjali K. Patankar	13
7.	Heena R. Rahangdale	17
8.	Jyoti R. Sarathe	12
9.	Kalyani A. Burde	13
10.	Krutika K. WadSamudrakar	12
11.	Madhura V. Bhide	18
12.	Manik D. Moon	17
13.	Manisha V. Sharma	17
14.	Mansi A. Dubey	Absent
15.	Mayur B. Bangade	14
16.	Megha V. Shende	13
17.	Monika V. Lokakshi	16
18.	Mrunali R. Kore	18
19.	Neha D. Gocher	17
20.	Nikhil M. Kalyani	Absent
21.	Nikita R. Hedaoo	18
22.	Nisha S. Sharma	17
23.	Pallavi R. Bhagwat	12
24.	Pooja P. Warthe	16
25.	Pooja S Dugad	Absent
26.	Pranali H. Bokade	12
27.	Pranali V. Ghorpade	11
28.	Priyanka S. Wazekar	16
29.	Rushali S. Bannagare	13
30.	Sayali D. Joshi	17
31.	Sheetal S. Chadhokar	16

32.	Sneha S. Gupta	13
33.	Snehal N. Bondre	17
34.	Sonal N. Ramteke	12
35.	Suvidha Bhure	16
36.	Swapnil J. Jilhare	13



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 2017-2018  
Data Communication & Network (Paper I)  
Unit Test - I**

Time: 1 hour]

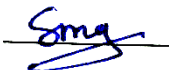
[Maximum Marks: 20

**Q1. Answer the Following (Any 2)**

- |   |   |
|---|---|
| A. Discuss the design issues in data link layer.<br>Explain data link protocol. | 8 |
| B. What is cryptography? Explain its mode of operation.                         | 8 |
| C. Explain OSI reference model.   | 8 |
| D. Design issues of presentation layer.   | 8 |

**Q2. Answer the Following (Any 1)**

- |   |   |
|---|---|
| A. Short note :- a) Analog b) Digital                                   | 4 |
| B. Explain physical layer with respect to data communication in detail. | 4 |
| C. Explain working of transport layer.                                  | 4 |



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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 2017-18**  
**Unit Test - II**

**Name of Teacher: Mrs. S. M. Gaikwad**

**Date: 16/12/2017**

**Subject: Data Communication & Network (Paper I)**

**Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	Anuja R. Deshmukh	17
2.	Apeksha B. Yendge	Absent
3.	Aradhana S. Tarpe	16
4.	Dhanashree M. Gomase	16
5.	Dimple N. Sharma	13
6.	Gitanjali K. Patankar	13
7.	Heena R. Rahangdale	17
8.	Jyoti R. Sarathe	12
9.	Kalyani A. Burde	16
10.	Krutika K. WadSamudrakar	17
11.	Madhura V. Bhide	Absent
12.	Manik D. Moon	13
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16.	Megha V. Shende	Absent
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18.	Mrunali R. Kore	17
19.	Neha D. Gocher	12
20.	Nikhil M. Kalyani	16
21.	Nikita R. Hedao	17
22.	Nisha S. Sharma	Absent
23.	Pallavi R. Bhagwat	18
24.	Pooja P. Warthe	17
25.	Pooja S Dugad	Absent
26.	Pranali H. Bokade	16
27.	Pranali V. Ghorpade	13
28.	Priyanka S. Wazekar	12
29.	Rushali S. Bannagare	18
30.	Sayali D. Joshi	17
31.	Sheetal S. Chadhokar	17

32.	Sneha S. Gupta	Absent
33.	Snehal N. Bondre	14
34.	Sonal N. Ramteke	13
35.	Suvidha Bhure	16
36.	Swapnil J. Jilhare	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  
Department of Computer Science  
M.Sc. Semester-III (Computer Science) Session 2017-2018  
Data Communication & Network (Paper I)  
Unit Test II**

Time: 1 hour]

[Total Marks: 20

**Q1. Answer the Following (Any 2)**

- |   |   |
|---|---|
| A. What is packet filtering? Explain the use of packet filtering. | 8 |
| B. Explain cipher block modes of operations.                      | 8 |
| C. Explain intrusion techniques in detail.                        | 8 |
| D. What are TCP and UDP? Explain the TCP connection management.   | 8 |

**Q2. Answer the Following (Any 1)**

- |  |   |
|--|---|
| A. Discuss the security vulnerabilities and threads. | 4 |
| B. Why firewall are used?                            | 4 |
| C. Write a short note on security attack.            | 4 |



Signature of the Teacher



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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 2017-18**  
**Unit Test - I**

**Name of Teacher: Dr. M. T. Wanjari**

**Date: 09/08/2017**

**Subject: Software Engineering (Paper II)**

**Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	Anuja R. Deshmukh	09
2.	Apeksha B. Yendge	10
3.	Aradhana S. Tarpe	12
4.	Dhanashree M. Gomase	13
5.	Dimple N. Sharma	10
6.	Gitanjali K. Patankar	AB
7.	Heena R. Rahangdale	14
8.	Jyoti R. Sarathe	12
9.	Kalyani A. Burde	10
10.	Krutika K. WadSamudrakar	14
11.	Madhura V. Bhide	16
12.	Manik D. Moon	08
13.	Manisha V. Sharma	10
14.	Mansi A. Dubey	AB
15.	Mayur B. Bangade	08
16.	Megha V. Shende	09
17.	Monika V. Lokakshi	16
18.	Mrunali R. Kore	12
19.	Neha D. Gocher	10
20.	Nikhil M. Kalyani	14
21.	Nikita R. Hedao	10
22.	Nisha S. Sharma	12
23.	Pallavi R. Bhagwat	09
24.	Pooja P. Warthe	08
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29.	Rushali S. Bannagare	10
30.	Sayali D. Joshi	14
31.	Sheetal S. Chadhokar	12

32.	Sneha S. Gupta	14
33.	Snehal N. Bondre	10
34.	Sonal N. Ramteke	12
35.	Suvidha Bhure	AB
36.	Swapnil J. Jilhare	08



Signature of the Teacher



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

**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Session 2017-18  
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. What are different roles of Software Engineer? Explain Software myths. | 8 |
| B. Explain uses and system requirements of Software.                      | 8 |
| C. Explain design process and design quality with example.                | 8 |
| D. Explain architecture styles and patterns.                              | 8 |

**Q. 2 (Solve any one question)**

- |  |   |
|--|---|
| A. Explain functional and non-functional Software requirement. | 4 |
| B. Explain content model.                                      | 4 |
| C. What is Behavioral Model?                                   | 4 |



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S.S.E.S. Amravati'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 2017-18  
Unit Test - II**

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

**Date: 12/09/2017  
Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	Anuja R. Deshmukh	10
2.	Apeksha B. Yendge	12
3.	Aradhana S. Tarpe	10
4.	Dhanashree M. Gomase	12
5.	Dimple N. Sharma	12
6.	Gitanjali K. Patankar	10
7.	Heena R. Rahangdale	16
8.	Jyoti R. Sarathe	AB
9.	Kalyani A. Burde	12
10.	Krutika K. WadSamudrakar	18
11.	Madhura V. Bhide	17
12.	Manik D. Moon	10
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14.	Mansi A. Dubey	10
15.	Mayur B. Bangade	09
16.	Megha V. Shende	12
17.	Monika V. Lokakshi	17
18.	Mrunali R. Kore	12
19.	Neha D. Gocher	12
20.	Nikhil M. Kalyani	15
21.	Nikita R. Hedao	10
22.	Nisha S. Sharma	14
23.	Pallavi R. Bhagwat	10
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30.	Sayali D. Joshi	15
31.	Sheetal S. Chadhokar	13

32.	Sneha S. Gupta	15
33.	Snehal N. Bondre	12
34.	Sonal N. Ramteke	10
35.	Suvidha Bhure	10
36.	Swapnil J. Jilhare	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 2017-18**

**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 Software Testing? Explain fundamental testing goals. 8
- B. Write notes on following:  
(i) White box testing (ii) Black box testing 8
- C. Explain Risk mitigation and management. 8
- D. Explain ISO 9000 Quality Standards. 8

**Q. 2 (Solve any one question)**

- A. Explain metrics for maintenance. 4
- B. What is Software Risk? Explain RMMM plan. 4
- C. What is Software Quality Assurance? 4



**Signature of the Teacher**



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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 2017-18  
Unit Test - I**

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

**Date: 24/08/2017  
Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	Anuja R. Deshmukh	Absent
2.	Apeksha B. Yendge	15
3.	Aradhana S. Tarpe	10
4.	Dhanashree M. Gomase	9
5.	Dimple N. Sharma	20
6.	Gitanjali K. Patankar	7
7.	Heena R. Rahangdale	10
8.	Jyoti R. Sarathe	17
9.	Kalyani A. Burde	14
10.	Krutika K. WadSamudrakar	11
11.	Madhura V. Bhide	19
12.	Manik D. Moon	18
13.	Manisha V. Sharma	19
14.	Mansi A. Dubey	11
15.	Mayur B. Bangade	Absent
16.	Megha V. Shende	13
17.	Monika V. Lokakshi	15
18.	Mrunali R. Kore	16
19.	Neha D. Gocher	9
20.	Nikhil M. Kalyani	12
21.	Nikita R. Hedao	9
22.	Nisha S. Sharma	14
23.	Pallavi R. Bhagwat	18
24.	Pooja P. Warthe	20
25.	Pooja S Dugad	7
26.	Pranali H. Bokade	17
27.	Pranali V. Ghorpade	Absent
28.	Priyanka S. Wazekar	11
29.	Rushali S. Bannagare	10
30.	Sayali D. Joshi	18
31.	Sheetal S. Chadhokar	20

32.	Sneha S. Gupta	13
33.	Snehal N. Bondre	13
34.	Sonal N. Ramteke	16
35.	Suvidha Bhure	Absent
36.	Swapnil J. Jilhare	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 2017-2018

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. What is an Artificial Neuron? Draw a neat labeled diagram showing the model of an artificial neuron. 8
- B. Write the MSE Error Surface and Its Geometry. 8
- C. Explain the following neuron signal functions:
- Binary Threshold
  - Linear Threshold 8
- D. Explain the application of LMS to Noise Cancellation. 8

**Question 2. Solve any one**

- A. Explain the application of neural networks in the field of Forecasting. 4
- B. What is Perceptron? Explain the Perceptron Convergence theorem. 4
- C. What is  $\alpha$ -LMS works with Normalized Training Patterns. 4



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  
Department of Computer Science  
M. Sc. Semester – III (Computer Science) Session 2017-18  
Unit Test - II**

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

**Date: 29/09/2017  
Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	Anuja R. Deshmukh	12
2.	Apeksha B. Yendge	14
3.	Aradhana S. Tarpe	18
4.	Dhanashree M. Gomase	15
5.	Dimple N. Sharma	19
6.	Gitanjali K. Patankar	15
7.	Heena R. Rahangdale	13
8.	Jyoti R. Sarathe	14
9.	Kalyani A. Burde	13
10.	Krutika K. WadSamudrakar	14
11.	Madhura V. Bhide	16
12.	Manik D. Moon	7
13.	Manisha V. Sharma	12
14.	Mansi A. Dubey	13
15.	Mayur B. Bangade	12
16.	Megha V. Shende	14
17.	Monika V. Lokakshi	15
18.	Mrunali R. Kore	18
19.	Neha D. Gocher	11
20.	Nikhil M. Kalyani	15
21.	Nikita R. Hedao	16
22.	Nisha S. Sharma	20
23.	Pallavi R. Bhagwat	Absent
24.	Pooja P. Warthe	20
25.	Pooja S Dugad	19
26.	Pranali H. Bokade	15
27.	Pranali V. Ghorpade	17
28.	Priyanka S. Wazekar	12
29.	Rushali S. Bannagare	15
30.	Sayali D. Joshi	9
31.	Sheetal S. Chadhokar	Absent

32.	Sneha S. Gupta	18
33.	Snehal N. Bondre	Absent
34.	Sonal N. Ramteke	18
35.	Suvidha Bhure	20
36.	Swapnil J. Jilhare	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 2017-2018  
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. Explain Reinforcement Learning in detail?                                   | 8 |
| B. Discuss the implementing Classification Decisions with Bayes Theorem.       | 8 |
| C. Explain the Universal Function Approximation and Neural Networks in detail. | 8 |
| D. What do you understand by the terms:  | 8 |
| i. Gaussian Distributed Data   |   |
| ii. Bernoulli Distributed Data   |   |

**Question 2. Solve any one**

- |  |   |
|--|---|
| A. List the role of hidden layers in a Multilayer FeedForward network. | 4 |
| B. Explain the Network signals and Class posteriors.                   | 4 |
| C. Explain the application of Image Classification.                    | 4 |



**Signature of the Teacher**



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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 2017-18  
Unit Test - I**

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

**Date: 12/08/2017  
Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	Anuja R. Deshmukh	17
2.	Apeksha B. Yendge	14
3.	Aradhana S. Tarpe	13
4.	Dhanashree M. Gomase	15
5.	Dimple N. Sharma	17
6.	Gitanjali K. Patankar	Absent
7.	Heena R. Rahangdale	18
8.	Jyoti R. Sarathe	15
9.	Kalyani A. Burde	11
10.	Krutika K. WadSamudrakar	Absent
11.	Madhura V. Bhide	14
12.	Manik D. Moon	16
13.	Manisha V. Sharma	15
14.	Mansi A. Dubey	14
15.	Mayur B. Bangade	11
16.	Megha V. Shende	10
17.	Monika V. Lokakshi	09
18.	Mrunali R. Kore	06
19.	Neha D. Gocher	10
20.	Nikhil M. Kalyani	11
21.	Nikita R. Hedao	17
22.	Nisha S. Sharma	15
23.	Pallavi R. Bhagwat	Absent
24.	Pooja P. Warthe	12
25.	Pooja S Dugad	15
26.	Pranali H. Bokade	17
27.	Pranali V. Ghorpade	18
28.	Priyanka S. Wazekar	16
29.	Rushali S. Bannagare	15
30.	Sayali D. Joshi	14
31.	Sheetal S. Chadhokar	11

32.	Sneha S. Gupta	10
33.	Snehal N. Bondre	09
34.	Sonal N. Ramteke	Absent
35.	Suvidha Bhure	18
36.	Swapnil J. Jilhare	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 2017-2018  
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. What are the security issues with mobile computing ? Explain.      | 8 |
| B. Explain mobile computing architecture using well labelled diagram. | 8 |
| C. Explain working of CDMA based system.                              | 8 |
| D. Explain structure of Mobile TCP.                                   | 8 |

**Q2. Answer the Following (Any 1)**

- |   |   |
|---|---|
| A. Write a short note on 'DECT'.                  | 4 |
| B. State limitations of mobile devices in detail. | 4 |
| C. What is mobile IP? 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 2017-2018  
Unit Test - II**

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

**Date: 07/12/2017  
Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	Anuja R. Deshmukh	17
2.	Apeksha B. Yendge	14
3.	Aradhana S. Tarpe	13
4.	Dhanashree M. Gomase	15
5.	Dimple N. Sharma	17
6.	Gitanjali K. Patankar	17
7.	Heena R. Rahangdale	18
8.	Jyoti R. Sarathe	15
9.	Kalyani A. Burde	11
10.	Krutika K. WadSamudrakar	Absent
11.	Madhura V. Bhide	14
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29.	Rushali S. Bannagare	09
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32.	Sneha S. Gupta	11
33.	Snehal N. Bondre	17
34.	Sonal N. Ramteke	15
35.	Suvidha Bhure	10
36.	Swapnil J. Jilhare	13



Signature of the Teacher



Head

Department of Computer Science

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Department of Computer Science  
S.S.E.S. Am't's Science College,  
Congress Nagar, Nagpur



**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session 2017-2018  
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. Explain client-server architecture for mobile database. | 8 |
| B. Explain Query processing for mobile database.           | 8 |
| C. Explain architecture of Linux O.S. for mobile device.   | 8 |
| D. Explain architecture of Palm O.S. Give its features.    | 8 |

**Q2. Answer the Following (Any 1)**

- |                                    |   |
|------------------------------------|---|
| A. What are the features of SMIL ? | 4 |
| B. Explain data recovery process.  | 4 |
| C. Write short note on 'ZigBee'.   | 4 |



Signature of the Teacher



Head

Department of Computer Science

Professor & Head  
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S.S.E.S. Am't'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 2017-18  
Unit Test - I**

**Name of Teacher: Mrs. S.B.Raipure**

**Date: 01/03/2018**

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

**Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	AdarshManoharraoLonare	14
2.	Anagha Anil Joshi	15
3.	Anand Rajesh Gupta	15
4.	Anita SharadDhira	19
5.	Ashish LaxmanAgase	11
6.	Bakshish zahera Ishteyaque Husain Jafri	09
7.	DikshaMoreswarChoudhary	11
8.	DikshaShalikramRahangdale	07
9.	DivyaShatrughanBelekar	09
10.	Gaurav Ashok Meshram	11
11.	JuhiVijayanandGhate	15
12.	Karan NareshMatale	19
13.	KishoriChandrabhan Rode	18
14.	MadhuriTukaramNagpure	17
15.	Mayuri Pradeep Khade	Absent
16.	Monika BhujangraoDaf	13
17.	MukulSushilkumar Dixit	12
18.	NehaShamraoParate	15
19.	PallaviShrinarayan Agrawal	16
20.	PayalShravanMourya	12
21.	PoojaAmbadasji Sable	10
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23.	PrarthanaRamjag Pandey	14
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26.	RaginiSiddharthParekar	14
27.	Rutuja Sunil Telpande	15
28.	ShrutikaVinodLokhande	18
29.	ShubhangiDhanpalSarve	13
30.	Sneha Sanjay Patil	14
31.	SnehalMotiramChukekar	13

32.	SurabhiMoreswar Joshi	Absent
33.	Taniya C. Lakhawani	11
34.	Vaibhavi Ramesh Mohurle	13
35.	VarunDilipMoghe	15



Signature of the Teacher



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Department of Computer Science

Professor & Head  
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Congress Nagar, Nagpur



**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session 2017-2018  
M.Sc. Semester-II COMPUTER SCIENCE  
Paper-I (Windows Programming using VC++)  
Unit Test -I**

**Time: 1 Hour]**

**[Maximum Marks: 20**

**Q1. Answer the Following (Any 2)**

- A. What is Application Framework ? Differentiate between Application Framework and Class Library.. 8
- B. Write notes on : (i) Active-X controls (ii) Internet Explorer control. 8
- C. What are the advantages of Reusable Base Classes ? Why are they difficult to write ? 8
- D. Write an application to create SDI application and display different shapes by using Application Wizard. 8

**Q2. Answer the Following (Any 1)**

- A. What is Event Handling ? Explain 4
- B. Explain the concept of Win 32 memory management. 4
- C. Explain the purpose of Printing and Print Preview in VC++ application. 4



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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Department of Computer Science  
M. Sc. Semester – II (Computer Science) Session 2017-18  
Unit Test - II**

**Name of Teacher: Mrs. S.B.Raipure**

**Date: 25/04/2018**

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

**Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	AdarshManoharraoLonare	14
2.	Anagha Anil Joshi	15
3.	Anand Rajesh Gupta	15
4.	Anita SharadDhira	19
5.	Ashish LaxmanAgase	11
6.	Bakshish zahera Ishteyaque Husain Jafri	09
7.	DikshaMoreswarChoudhary	Absent
8.	DikshaShalikramRahangdale	07
9.	DivyaShatrughanBelekar	09
10.	Gaurav Ashok Meshram	11
11.	JuhiVijayanandGhate	15
12.	Karan NareshMatale	19
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14.	MadhuriTukaramNagpure	17
15.	Mayuri Pradeep Khade	14
16.	Monika BhujangraoDaf	15
17.	MukulSushilkumar Dixit	15
18.	NehaShamraoParate	19
19.	PallaviShrinarayan Agrawal	11
20.	PayalShravanMourya	Absent
21.	PoojaAmbadasji Sable	11
22.	PranotiKhemrajBarsagade	07
23.	PrarthanaRamjag Pandey	09
24.	PriyankaOnkarsinghParmar	11
25.	Puja Ashok Gaidhani	15
26.	RaginiSiddharthParekar	19
27.	Rutuja Sunil Telpande	18
28.	ShrutikaVinodLokhande	14
29.	ShubhangiDhanpalSarve	15
30.	Sneha Sanjay Patil	Absent

31.	SnehalMotiramChukekar	19
32.	SurabhiMoreshwar Joshi	11
33.	Taniya C. Lakhawani	09
34.	Vaibhavi Ramesh Mohurle	11
35.	VarunDilipMoghe	07



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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Academic Session 2017-2018  
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.How do container and server help in object linking and embedding ? | 8 |
| B.Explain the concept of Drag and Drop in Active-X control..         | 8 |
| C. Write notes on : (i) Winsock (ii) WinInet.                        | 8 |
| D.What is OLEDB Templates ? Why do we use it ? Explain.              | 8 |

**Q2. Answer the Following (Any 1)**

- |  |   |
|--|---|
| A. Write a note on 'ATL'.                                      | 4 |
| B. Explain transaction processing in ODBC.                     | 4 |
| C. Write the working of separating the Document from its view. | 4 |



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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Department of Computer Science  
M. Sc. Semester – II (Computer Science) Session 2017-18  
Unit Test - I**

**Name of Teacher: Dr. M. T. Wanjari**

**Date: 08/03/2018**

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

**Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	Adarsh Manoharrao Lonare	10
2.	Anagha Anil Joshi	12
3.	Anand Rajesh Gupta	09
4.	Anita Sharad Dhira	10
5.	Ashish Laxman Agase	12
6.	Bakshish zahera Ishteyaque Husain Jafri	08
7.	Diksha Moreswar Choudhary	10
8.	Diksha Shalikram Rahangdale	AB
9.	Divya Shatrughan Belekar	14
10.	Gaurav Ashok Meshram	10
11.	Juhi Vijayanand Ghate	16
12.	Karan Naresh Matale	12
13.	Kishori Chandrabhan Rode	09
14.	Madhuri Tukaram Nagpure	10
15.	Mayuri Pradeep Khade	AB
16.	Monika Bhujangrao Daf	10
17.	Mukul Sushilkumar Dixit	14
18.	Neha Shamrao Parate	12
19.	Pallavi Shrinarayan Agrawal	09
20.	Payal Shravan Mourya	08
21.	Pooja Ambadasji Sable	07
22.	Pranoti Khemraj Barsagade	10
23.	Prarthana Ramjag Pandey	08
24.	Priyanka Onkarsingh Parmar	12
25.	Puja Ashok Gaidhani	16
26.	Ragini Siddharth Parekar	10
27.	Rutuja Sunil Telpande	AB
28.	Shrutika Vinod Lokhande	10
29.	Shubhangi Dhanpal Sarve	12
30.	Sneha Sanjay Patil	12

31.	Snehal Motiram Chukekar	10
32.	Surabhi Moreshwar Joshi	13
33.	Taniya C. Lakhawani	10
34.	Vaibhavi Ramesh Mohurle	AB
35.	Varun Dilip Moghe	10



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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Session 2017-18  
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. Explain i) Regular Grammar ii) Church Hypothesis. 8
- B. Construct Push down automata accepting the set of all strings over (a, b) with equal number of a's and b's. 8
- C. Explain: i) Non deterministic Turing machines  
ii) Multithread Turing Machine 8
- D. Formulate Turing Machine for palindrome with explaining its transitioning graph and state table. 8

**Q. 2 (Solve any one question)**

- A. Explain two way finite automata. 4
- B. What is CFG? Explain. 4
- C. What are different applications of finite automata. 4



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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Department of Computer Science  
M. Sc. Semester – II (Computer Science) Session 2017-18  
Unit Test - II**

**Name of Teacher: Dr. M. T. Wanjari**

**Date: 02/04/2018**

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

**Maximum Marks: 20**

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

32.	Surabhi Moreshwar Joshi	12
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Congress Nagar, Nagpur



Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Session 2017-18

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. Explain the structure of compiler in detail.                           | 8 |
| B. What are parsers? Explain operator precedence parsing.                 | 8 |
| C. Write notes on SLR parsing tables and ambiguous grammar.               | 8 |
| D. Explain shift reduce parsing and predictive parsers.<br>ambiguous CFG? | 8 |

Q. 2 (Solve any one question)

- |  |   |
|--|---|
| A. Explain intermediate code generation.     | 4 |
| B. Explain Three address code and quaduples. | 4 |
| C. Explain loop optimization.                | 4 |



Signature of the Teacher



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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 2017-18  
Unit Test - I**

Name of Teacher: Mr. S.S.Shende

Date: 06/03/2018

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

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



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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 2017-2018  
Computer Architecture & Organization (Paper III)  
Unit Test - I**

Time: 1 hour]

[Maximum Marks: 20

**Q1. Answer the Following (Any 2)**

- A. What is instruction ? What are its types ? Explain each one with its formats. 8
- B. What is Pipelining ? Explain its advantages. 8
- C. What are the different layers in computer architecture ? Explain each in brief. 8
- D. What is RISC and CISC ? Differentiate between RISC and CISC and give their advantages and disadvantages. 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



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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 2017-18  
Unit Test - II**

Name of Teacher: Mr. S.S.Shende

Date: 10/04/2018

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

Sr. No.	Name of Students	Obtained Marks
1.	AdarshManoharraoLonare	13
2.	Anagha Anil Joshi	16
3.	Anand Rajesh Gupta	18
4.	Anita SharadDhira	17
5.	Ashish LaxmanAgase	Absent
6.	Bakshish zahera Ishteyaque Husain Jafri	18
7.	DikshaMoreswarChoudhary	17
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15.	Mayuri Pradeep Khade	16
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17.	MukulSushilkumar Dixit	16
18.	NehaShamraoParate	18
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20.	PayalShravanMourya	Absent
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26.	RaginiSiddharthParekar	12
27.	Rutuja Sunil Telpande	11
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**Signature of the Teacher**



**Head**

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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 2017-2018  
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 cache memory in computer architecture? 4
- B. Explain virtual memory? 4
- C. Explain SPEC marks in computer architecture? 4



**Signature of the Teacher**



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Congress Nagar, Nagpur



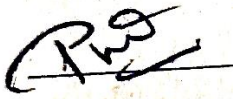
**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Department of Computer Science  
M. Sc. Semester – II (Computer Science) Session 2017-18  
Unit Test - I**

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

**Date: 17/01/2018  
Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	Adarsh Manoharrao Lonare	15
2.	Anagha Anil Joshi	Absent
3.	Anand Rajesh Gupta	20
4.	Anita SharadDhira	16
5.	Ashish LaxmanAgase	20
6.	Bakshish zahera Ishteyaque Husain Jafri	16
7.	Diksha Moreshwar Choudhary	12
8.	Diksha Shalikram Rahangdale	13
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12.	Karan Naresh Matale	20
13.	Kishori Chandrabhan Rode	12
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22.	Pranoti Khemraj Barsagade	20
23.	Prarthana Ramjag Pandey	10
24.	Priyanka Onkarsingh Parmar	20
25.	Puja Ashok Gaidhani	Absent
26.	Ragini Siddharth Parekar	10
27.	Rutuja Sunil Telpande	16
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31.	Snehal Motiram Chukekar	10
32.	Surabhi Moreshwar Joshi	16
33.	Taniya C. Lakhawani	12
34.	Vaibhavi Ramesh Mohurle	15
35.	Varun Dilip Moghe	Absent



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

**Academic Session 2017-2018**

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

**Computer Graphics-IV**

**Unit Test - I**

**Time :1 Hour**

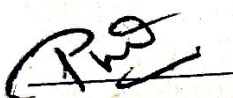
**Total Marks 20**

**Question 1. Solve any two**

- |   |   |
|---|---|
| A. Explain Raster Scan Display Processor.   | 8 |
| B. Write down midpoint circle algorithm to draw a circle.                         | 8 |
| C. Discuss in detail Ellipse generating algorithm.                                | 8 |
| D. What are the graphics software? What do you mean by coordinate representation? | 8 |

**Question 2. Solve any one**

- |   |   |
|---|---|
| A. Differentiate between Raster Scan display and Random Scan Display. | 4 |
| B. Explain DDA algorithm.   | 4 |
| C. Write the limitations of line draw algorithm.                      | 4 |



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Congress Nagar, Nagpur



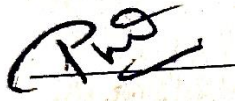
**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Department of Computer Science  
M. Sc. Semester – II (Computer Science) Session 2017-18  
Unit Test - II**

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

**Date: 22/02/2018  
Maximum Marks: 20**

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

31.	Snehal Motiram Chukekar	12
32.	Surabhi Moreshwar Joshi	16
33.	Taniya C. Lakhawani	15
34.	Vaibhavi Ramesh Mohurle	12
35.	Varun Dilip Moghe	10



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.

Academic Session 2017-2018

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. What is Shading? Explain shading algorithm in detail. 8
- C. Explain the following 2D transformations in the homogeneous coordinate, shearing. 8
- D. Explain the three primary color used in graphics and explain how other colors are achieved? 8

**Question 2. Solve any one**

- A. Explain Projection techniques and their types. 4
- B. Explain the conversion of CMY to RGB representation. 4
- C. Define chromaticity, complementary colors, color gamut and primary colors. 4



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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Department of Computer Science  
M. Sc. Semester – IV (Computer Science) Session 2017-18  
Unit Test - I**

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

**Date: 21/02/2018  
Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	Anuja R. Deshmukh	17
2.	Apeksha B. Yendge	14
3.	Aradhana S. Tarpe	13
4.	Dhanashree M. Gomase	15
5.	Dimple N. Sharma	17
6.	Gitanjali K. Patankar	Absent
7.	Heena R. Rahangdale	18
8.	Jyoti R. Sarathe	15
9.	Kalyani A. Burde	11
10.	Krutika K. WadSamudrakar	Absent
11.	Madhura V. Bhide	14
12.	Manik D. Moon	16
13.	Manisha V. Sharma	15
14.	Mansi A. Dubey	14
15.	Mayur B. Bangade	11
16.	Megha V. Shende	10
17.	Monika V. Lokakshi	09
18.	Mrunali R. Kore	10
19.	Neha D. Gocher	17
20.	Nikhil M. Kalyani	14
21.	Nikita R. Hedao	13
22.	Nisha S. Sharma	15
23.	Pallavi R. Bhagwat	17
24.	Pooja P. Warthe	Absent
25.	Pooja S Dugad	18
26.	Pranali H. Bokade	15
27.	Pranali V. Ghorpade	11
28.	Priyanka S. Wazekar	Absent
29.	Rushali S. Bannagare	14
30.	Sayali D. Joshi	17
31.	Sheetal S. Chadhokar	14

32.	Sneha S. Gupta	13
33.	Snehal N. Bondre	15
34.	Sonal N. Ramteke	17
35.	Suvidha Bhure	Absent
36.	Swapnil J. Jilhare	18



Signature of the Teacher



Head

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

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

**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. Explain Data Preprocessing in detail.  | 8 |
| B. Write notes on : (i) Discretization and Binarization (ii) Challenges of Data Mining. | 8 |
| C. Explain any one algorithm for data classification. Give one example.                 | 8 |
| D. What are Data Mining classification ? Explain  | 8 |

**Q2. Answer the Following (Any 1)**

- |                                       |   |
|---------------------------------------|---|
| A. What is feature subset selection ? | 4 |
| B. Explain sampling data in detail.   | 4 |
| C. Explain measures of Node Impurity. | 4 |



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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Department of Computer Science  
M. Sc. Semester – IV (Computer Science) Session 2017-18  
Unit Test - II**

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

**Date: 24/03/2018  
Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	Anuja R. Deshmukh	17
2.	Apeksha B. Yendge	14
3.	Aradhana S. Tarpe	13
4.	Dhanashree M. Gomase	15
5.	Dimple N. Sharma	17
6.	Gitanjali K. Patankar	Absent
7.	Heena R. Rahangdale	18
8.	Jyoti R. Sarathe	15
9.	Kalyani A. Burde	11
10.	Krutika K. WadSamudrakar	Absent
11.	Madhura V. Bhide	17
12.	Manik D. Moon	14
13.	Manisha V. Sharma	13
14.	Mansi A. Dubey	15
15.	Mayur B. Bangade	17
16.	Megha V. Shende	Absent
17.	Monika V. Lokakshi	18
18.	Mrunali R. Kore	15
19.	Neha D. Gocher	11
20.	Nikhil M. Kalyani	Absent
21.	Nikita R. Hedao	14
22.	Nisha S. Sharma	16
23.	Pallavi R. Bhagwat	15
24.	Pooja P. Warthe	14
25.	Pooja S Dugad	11
26.	Pranali H. Bokade	10
27.	Pranali V. Ghorpade	09
28.	Priyanka S. Wazekar	06
29.	Rushali S. Bannagare	10
30.	Sayali D. Joshi	11
31.	Sheetal S. Chadhokar	17
32.	Sneha S. Gupta	15

33.	Snehal N. Bondre	Absent
34.	Sonal N. Ramteke	12
35.	SuvidhaBhure	15
36.	Swapnil J. Jilhare	17



Signature of the Teacher



Head  
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Congress Nagar, Nagpur



**Shri Shivaji Education Society Amravati's  
Science College , Congress Nagar, Nagpur  
Academic Session 2017-2018  
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. Differentiate between Naive Bayes classifier and Rule-based classifier.          | 8 |
| B. What are the subjective Interestingness Measures ? Explain.                      | 8 |
| C. What is Anomaly detection ? Differentiate between outlier and anomaly detection. | 8 |
| D. What is cluster? Explain different types of cluster.                             | 8 |

**Q2. Answer the Following (Any 1)**

- |  |   |
|--|---|
| A. What are the properties of a good measure ?                 | 4 |
| B. What are the different characteristic of spatial data sets? | 4 |
| C. What is LOF approach .                                      | 4 |



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**Shri Shivaji Education Society Amravati's**  
**Science College, Congress Nagar, Nagpur**  
**Department of Computer Science**  
**M. Sc. Semester – IV (Computer Science) Session 2017-18**  
**Unit Test - I**

Name of Teacher: Mrs. S.M.Gaikwad

Date: 13/02/2018

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

Sr. No.	Name of Students	Obtained Marks
1.	Anuja R. Deshmukh	13
2.	Apeksha B. Yendge	16
3.	Aradhana S. Tarpe	18
4.	Dhanashree M. Gomase	17
5.	Dimple N. Sharma	Absent
6.	Gitanjali K. Patankar	18
7.	Heena R. Rahangdale	17
8.	Jyoti R. Sarathe	12
9.	Kalyani A. Burde	16
10.	Krutika K. WadSamudrakar	17
11.	Madhura V. Bhide	Absent
12.	Manik D. Moon	18
13.	Manisha V. Sharma	17
14.	Mansi A. Dubey	Absent
15.	Mayur B. Bangade	16
16.	Megha V. Shende	Absent
17.	Monika V. Lokakshi	13
18.	Mrunali R. Kore	17
19.	Neha D. Gocher	14
20.	Nikhil M. Kalyani	13
21.	Nikita R. Hedao	16
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25.	Pooja S Dugad	16
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27.	Pranali V. Ghorpade	17
28.	Priyanka S. Wazekar	17
29.	Rushali S. Bannagare	12
30.	Sayali D. Joshi	13
31.	Sheetal S. Chadhokar	12
32.	Sneha S. Gupta	18

33.	Snehal N. Bondre	17
34.	Sonal N. Ramteke	17
35.	Suvidha Bhure	12
36.	Swapnil J. Jilhare	13



Signature of the Teacher



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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 2017-2018  
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. Distinguish between Depth-first search and Breadth-first search? | 4 |
| B. What are AI techniques? Explain                                  | 4 |
| C. Discuss the issues in knowledge Representation.                  | 4 |



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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Department of Computer Science  
M. Sc. Semester – IV (Computer Science) Session 2017-18  
Unit Test - II**

Name of Teacher: Mrs. S.M.Gaikwad

Date: 05/03/2018

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

Sr. No.	Name of Students	Obtained Marks
1.	Anuja R. Deshmukh	17
2.	Apeksha B. Yendge	Absent
3.	Aradhana S. Tarpe	18
4.	Dhanashree M. Gomase	17
5.	Dimple N. Sharma	12
6.	Gitanjali K. Patankar	16
7.	Heena R. Rahangdale	17
8.	Jyoti R. Sarathe	Absent
9.	Kalyani A. Burde	18
10.	Krutika K. WadSamudrakar	17
11.	Madhura V. Bhide	Absent
12.	Manik D. Moon	17
13.	Manisha V. Sharma	13
14.	Mansi A. Dubey	17
15.	Mayur B. Bangade	12
16.	Megha V. Shende	13
17.	Monika V. Lokakshi	12
18.	Mrunali R. Kore	18
19.	Neha D. Gocher	17
20.	Nikhil M. Kalyani	17
21.	Nikita R. Hedao	13
22.	Nisha S. Sharma	17
23.	Pallavi R. Bhagwat	16
24.	Pooja P. Warthe	13
25.	Pooja S Dugad	17
26.	Pranali H. Bokade	12
27.	Pranali V. Ghorpade	13
28.	Priyanka S. Wazekar	12
29.	Rushali S. Bannagare	17
30.	Sayali D. Joshi	13
31.	Sheetal S. Chadhokar	16

32.	Sneha S. Gupta	18
33.	Snehal N. Bondre	17
34.	Sonal N. Ramteke	Absent
35.	Suvidha Bhure	18
36.	Swapnil J. Jilhare	17



Signature of the Teacher



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



**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Department of Computer Science  
M.Sc. Semester-IV (Computer Science) Session 2017-2018  
Artificial Intelligence & Expert System (Paper II)  
Unit Test - II**

Time: 1 hour]

[Maximum Marks: 20

**Q1. Answer the Following (Any 2)**

- A. What are different types of game playing strategies?  
Explain in detail. 8
- B. What is Psychological Modeling? Explain distributed Reasoning System. 8
- C. What is planning system in AI? Discuss the component of planning system 8
- D. What do you understand by the term "Natural Language Processing"? Explain 8

**Q2. Answer the Following (Any 1)**

- A. Discuss the Non-Linear planning. 4
- B. Discuss Hierarchical planning. 4
- C. Discuss the parallel and distributed AI. 4



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**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur  
Department of Computer Science  
M. Sc. Semester – IV (Computer Science) Session 2017-18  
Unit Test - I**

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

**Date: 19/01/2018  
Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	Anuja R. Deshmukh	11
2.	Apeksha B. Yendge	7
3.	Aradhana S. Tarpe	15
4.	Dhanashree M. Gomase	Absent
5.	Dimple N. Sharma	10
6.	Gitanjali K. Patankar	15
7.	Heena R. Rahangdale	20
8.	Jyoti R. Sarathe	14
9.	Kalyani A. Burde	15
10.	Krutika K. WadSamudrakar	19
11.	Madhura V. Bhide	12
12.	Manik D. Moon	12
13.	Manisha V. Sharma	18
14.	Mansi A. Dubey	7
15.	Mayur B. Bangade	10
16.	Megha V. Shende	Absent
17.	Monika V. Lokakshi	18
18.	Mrunali R. Kore	10
19.	Neha D. Gocher	12
20.	Nikhil M. Kalyani	8
21.	Nikita R. Hedao	17
22.	Nisha S. Sharma	14
23.	Pallavi R. Bhagwat	12
24.	Pooja P. Warthe	Absent
25.	Pooja S Dugad	11
26.	Pranali H. Bokade	13
27.	Pranali V. Ghorpade	9
28.	Priyanka S. Wazekar	13
29.	Rushali S. Bannagare	8
30.	Sayali D. Joshi	7
31.	Sheetal S. Chadhokar	17

32.	Sneha S. Gupta	Absent
33.	Snehal N. Bondre	19
34.	Sonal N. Ramteke	9
35.	Suvidha Bhure	9
36.	Swapnil J. Jilhare	16



Signature of the Teacher



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



**Shri Shivaji Education Society Amravati's  
Science College, Congress Nagar, Nagpur.  
Academic Session 2017-2018  
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. Explain microprocessor and microcontroller in detail. 8
- B. List the various classes of the programming language used for the embedded system.  
How will you select the best tool and language for the embedded system development. 8
- C. What are the timer and counting devices for embedded system? Explain their function. 8
- D. What are the source of Interrupt? How can embedded system handle interrupt? 8

**Question 2. Solve any one**

- A. Explain Bluetooth and 802-11. 4
- B. Explain modeling of multiprocessor system. 4
- C. Explain Device Drive programming. 4



Signature of the Teacher



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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 2017-18  
Unit Test - II**

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

**Date: 08/03/2018  
Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	Anuja R. Deshmukh	9
2.	Apeksha B. Yendge	Absent
3.	Aradhana S. Tarpe	10
4.	Dhanashree M. Gomase	19
5.	Dimple N. Sharma	14
6.	Gitanjali K. Patankar	13
7.	Heena R. Rahangdale	15
8.	Jyoti R. Sarathe	Absent
9.	Kalyani A. Burde	8
10.	Krutika K. WadSamudrakar	20
11.	Madhura V. Bhide	9
12.	Manik D. Moon	Absent
13.	Manisha V. Sharma	15
14.	Mansi A. Dubey	13
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16.	Megha V. Shende	14
17.	Monika V. Lokakshi	12
18.	Mrunali R. Kore	19
19.	Neha D. Gocher	20
20.	Nikhil M. Kalyani	17
21.	Nikita R. Hedao	16
22.	Nisha S. Sharma	12
23.	Pallavi R. Bhagwat	Absent
24.	Pooja P. Warthe	20
25.	Pooja S Dugad	16
26.	Pranali H. Bokade	10
27.	Pranali V. Ghorpade	19
28.	Priyanka S. Wazekar	14
29.	Rushali S. Bannagare	15
30.	Sayali D. Joshi	12
31.	Sheetal S. Chadhokar	8

32.	Sneha S. Gupta	13
33.	Snehal N. Bondre	13
34.	Sonal N. Ramteke	Absent
35.	Suvidha Bhure	13
36.	Swapnil J. Jilhare	9



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



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

**Academic Session 2017-2018**

**Master of Science(M.Sc.) (Computer Science) (Semester-IV)**

**Embedded System –(Paper-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 interprocess communication and message queue function in depth. 8
- C. What is simulator? Explain importance of simulator for embedded system development. 8
- D. What are the issues of the hardware software design for the embedded system? 8

**Question 2. Solve any one**

- A. What is latency? What are the components of it in interrupt handling? 4
- B. Explain case study of an Embedded System for a Smart card. 4
- C. Explain debugging of embedded system software. 4



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**Shri Shivaji Education Society Amravati's**  
**Science College, Congress Nagar, Nagpur**  
**Department of Computer Science**  
**M. Sc. Semester – IV (Computer Science) Session 2017-18**  
**Unit Test - I**

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

**Date: 10/02/2018**  
**Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	Anuja R. Deshmukh	AB
2.	Apeksha B. Yendge	10
3.	Aradhana S. Tarpe	11
4.	Dhanashree M. Gomase	12
5.	Dimple N. Sharma	12
6.	Gitanjali K. Patankar	10
7.	Heena R. Rahangdale	14
8.	Jyoti R. Sarathe	12
9.	Kalyani A. Burde	10
10.	Krutika K. WadSamudrakar	14
11.	Madhura V. Bhide	16
12.	Manik D. Moon	09
13.	Manisha V. Sharma	08
14.	Mansi A. Dubey	AB
15.	Mayur B. Bangade	08
16.	Megha V. Shende	10
17.	Monika V. Lokakshi	17
18.	Mrunali R. Kore	13
19.	Neha D. Gocher	10
20.	Nikhil M. Kalyani	12
21.	Nikita R. Hedao	09
22.	Nisha S. Sharma	12
23.	Pallavi R. Bhagwat	08
24.	Pooja P. Warthe	09
25.	Pooja S Dugad	12
26.	Pranali H. Bokade	10
27.	Pranali V. Ghorpade	13
28.	Priyanka S. Wazekar	14
29.	Rushali S. Bannagare	10
30.	Sayali D. Joshi	12
31.	Sheetal S. Chadhokar	11
32.	Sneha S. Gupta	14

33.	Snehal N. Bondre	AB
34.	Sonal N. Ramteke	10
35.	Suvidha Bhure	09
36.	Swapnil J. Jilhare	10



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Congress Nagar, Nagpur



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

**Session 2017-18**

**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 All-to-All personalized communication.             | 8 |
| B. What are the methods for containing interaction overheads? | 8 |
| C. What are the limitations of memory system performance?     | 8 |
| D. Discuss cache coherence in multiprocessor system.          | 8 |

**Q. 2 (Solve any one question)**

- |  |   |
|--|---|
| A. What are the scope of parallel computing?               | 4 |
| B. Explain the evaluating static interconnection networks. | 4 |
| C. Discuss All reduce and prefix-sum operations.           | 4 |



**Signature of the Teacher**



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**Shri Shivaji Education Society Amravati's**  
**Science College, Congress Nagar, Nagpur**  
**Department of Computer Science**  
**M. Sc. Semester – IV (Computer Science) Session 2017-18**  
**Unit Test - II**

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

**Date: 07/03/2018**  
**Maximum Marks: 20**

<b>Sr. No.</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1.	Anuja R. Deshmukh	10
2.	Apeksha B. Yendge	11
3.	Aradhana S. Tarpe	12
4.	Dhanashree M. Gomase	12
5.	Dimple N. Sharma	13
6.	Gitanjali K. Patankar	AB
7.	Heena R. Rahangdale	15
8.	Jyoti R. Sarathe	10
9.	Kalyani A. Burde	12
10.	Krutika K. WadSamudrakar	15
11.	Madhura V. Bhide	16
12.	Manik D. Moon	10
13.	Manisha V. Sharma	AB
14.	Mansi A. Dubey	18
15.	Mayur B. Bangade	10
16.	Megha V. Shende	12
17.	Monika V. Lokakshi	16
18.	Mrunali R. Kore	12
19.	Neha D. Gocher	12
20.	Nikhil M. Kalyani	13
21.	Nikita R. Hedao	AB
22.	Nisha S. Sharma	14
23.	Pallavi R. Bhagwat	10
24.	Pooja P. Warthe	10
25.	Pooja S Dugad	14
26.	Pranali H. Bokade	13
27.	Pranali V. Ghorpade	12
28.	Priyanka S. Wazekar	14
29.	Rushali S. Bannagare	12
30.	Sayali D. Joshi	10
31.	Sheetal S. Chadhokar	12

32.	Sneha S. Gupta	15
33.	Snehal N. Bondre	10
34.	Sonal N. Ramteke	AB
35.	Suvidha Bhure	08
36.	Swapnil J. Jilhare	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 2017-18**

**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. What is basic Threads? Explain its creation and Termination.      | 8 |
| B. How to construct composite synchronization.                       | 8 |
| C. What is MPT (Message Passing Interface) with example?             | 8 |
| D. What are the collective communication and computation operations? | 8 |

**Q. 2 (Solve any one question)**

- |   |   |
|---|---|
| A. Write notes on asymptotic analysis of parallel programs. | 4 |
| B. Write the principles of message-passing programming.     | 4 |
| C. How to handle data in openmp.                            | 4 |



**Signature of the Teacher**



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**Department of Computer Science**

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