

**Shri Shivaji Education Society Amravati's SCIENCE  
COLLEGE, CONGRESS NAGAR, NAGPUR**

**Department of Computer Science**

**MCA –I Semester-I**

**Session 2021-2022**

**Unit Test- I**

**Name of Faculty: S.Pawade**

**Date: 10/12/2021**

**Subject: Advance Java Programming**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aditya Akolkar	13
2	Ashwini Paradkar	15
3	Bhushan Zalke	12
4	Darshan Khierkar	12
5	Divya D	16
6	Divya Nakhane	13
7	Gayatri Bukkawar	19
8	Kantamayee W	18
9	Mayuresh Tiwalkar	12
10	Mayuri Giradkar	AB
11	Mrunali Gajbhiye	AB
12	Megha Mendhe	17
13	Neha Kalaskar	16
14	Nikita Bankhede	14
15	Nishant Tapre	13
16	Padmakshi Parwe	18
17	Pallavi Kilnake	19
18	Pooja Tale	AB
19	Prajwal Gaikwad	19
20	Pravin Burde	18
21	Prerna Ingle	15
22	Rashi Wasnik	16
23	Rupa Khatri	14
24	Rohit Shukla	19
25	Rohit Soge	AB
26	Rihikesh Ghurde	14
27	Samiksha Kalode	15
28	Swati C	16

29	Shital Ghante	14
30	Shubham Salve	15
31	Uttam Awarkar	17
32	Vaibhav Kale	16
33	Usha Chaudhari	17
34	Yash Patil.	18



**Signature of the Teacher**



**Head  
Department of the 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  
MCA –I Semester-I  
Session 2021-2022  
Unit test-II**

**Name of Faculty: S.Pawade**

**Date: 27/01/2022**

**Subject: Advance Java Programming**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aditya Akolkar	14
2	Ashwini Paradkar	15
3	Bhushan Zalke	13
4	Darshan Khierkar	12
5	Divya D	15
6	Divya Nakhane	13
7	Gayatri Bukkawar	17
8	Kantamayee W	9
9	Mayuresh Tiwalkar	12
10	Mayuri Giradkar	AB
11	Mrunali Gajbhiye	AB
12	Megha Mendhe	17
13	Neha Kalaskar	16
14	Nikita Bankhede	AB
15	Nishant Tapre	13
16	Padmakshi Parwe	18
17	Pallavi Kilnake	17
18	Pooja Tale	AB
19	Prajwal Gaikwad	19
20	Pravin Burde	11
21	Pravin Burde	15
22	Prerna Ingle	16
23	Rashi Wasnik	14
24	Rupa Khatri	19
25	Rohit Shukla	AB
26	Rohit Soge	14
27	Rihikesh Ghurde	15
28	Samiksha Kalode	16

29	Shital Ghante	AB
30	Shubham Salve	15
31	Uttam Awarkar	18
32	Vaibhav Kale	16
33	Usha Chaudhari	17
34	Yash Patil.	18



**Sign. Of Teacher**



**Head  
Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-I Examination 2021**

**Advance Java Programming**

**Unit Test -I**

**Semester-I Paper-I**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 10/12/2021**

---

Note: 1) All questions are compulsory and carry equals marks.

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

**Marks: 16**

- |   |   |
|---|---|
| A. Explain the life cycle of an applet in detail.                         | 8 |
| B. Explain the life cycle of a Thread in detail.                          | 8 |
| C. Explain AWT. Explain any three controls in AWT.                        | 8 |
| D. What is an array? Explain different types of arrays available in Java. | 8 |

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

**Marks: 4**

- |   |   |
|---|---|
| A. What is inheritance? Explain how we implement single and multilevel inheritance<br>In Java with suitable example | 4 |
| B. Explain Exception handling in details.   | 4 |
| C. Explain different Layout Manager in details.   | 4 |



**Signature of the Teacher**



**Head  
Department of the Computer Science**



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

**Master in Computer Application (MCA) Semester Examination 2021**

**Advance Java Programming**

**Unit Test -II**

**Semester-I Paper-I**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 27/01/2021**

---

Note: 1) All questions are compulsory and carry equals marks.

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

**Marks: 16**

- |   |   |
|---|---|
| A. Explain different components of URL with suitable example. | 8 |
| B. Explain Architecture RMI in detail?                        | 8 |
| C. Discuss the life cycle of servlet.                         | 8 |
| D. Explain JSP and different types of JSP tags in detail?     | 8 |

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

**Marks: 4**

- |  |   |
|--|---|
| A. Explain Stub and Skeleton in detail?                    | 4 |
| B. Explain JavaBeans? Write Advantages of Beans in detail? | 4 |
| C. Briefly discuss the RMI Exception.                      | 4 |



**Signature of the Teacher**



**Head  
Department of the 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**  
**MCA –I Semester-I**  
**Session 2021-2022**  
**Unit Test- I**

**Name of Faculty: S.P. Pawade**

**Date: 31/01/2022**

**Subject: Data communication and network**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aditya Akolkar	14
2	Ashwini Paradkar	16
3	Bhushan Zalke	18
4	Darshan Khierkar	12
5	Divya D	14
6	Divya Nakhane	13
7	Gayatri Bukkawar	17
8	Kantamayee W	18
9	Mayuresh Tiwalkar	19
10	Mayuri Giradkar	15
11	Mrunali Gajbhiye	AB
12	Megha Mendhe	AB
13	Neha Kalaskar	16
14	Nikita Bankhede	14
15	Nishant Tapre	AB
16	Padmakshi Parwe	18
17	Pallavi Kilnake	19
18	Pooja Tale	AB
19	Prajwal Gaikwad	20
20	Pravin Burde	20
21	Pravin Burde	15
22	Perna Ingle	16
23	Rashi Wasnik	15
24	Rupa Khatri	19
25	Rohit Shukla	AB
26	Rohit Soge	14
27	Rihikesh Ghurde	15
28	Samiksha Kalode	18



29	Shital Ghante	14
30	Shubham Salve	16
31	Uttam Awarkar	17
32	Vaibhav Kale	15
33	Usha Chaudhari	18
34	Yash Patil.	16
35		15



**Signature of the Teacher**



**Head  
Department of the 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**  
**MCA –I Semester-I**  
**Session 2021-2022**  
**Unit test-II**

**Name of Faculty: S.Pawade**

**Date: 31/01/2021**

**Subject: Data communication and network**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aditya Akolkar	14
2	Ashwini Paradkar	15
3	Bhushan Zalke	13
4	Darshan Khierkar	12
5	Divya D	16
6	Divya Nakhane	13
7	Gayatri Bukkawar	19
8	Kantamayee W	18
9	Mayuresh Tiwalkar	17
10	Mayuri Giradkar	15
11	Mrunali Gajbhiye	AB
12	Megha Mendhe	18
13	Neha Kalaskar	16
14	Nikita Bankhede	14
15	Nishant Tapre	12
16	Padmakshi Parwe	14
17	Pallavi Kilnake	19
18	Pooja Tale	AB
19	Prajwal Gaikwad	20
20	Pravin Burde	20
21	Pravin Burde	15
22	Purna Ingle	16
23	Rashi Wasnik	15
24	Rupa Khatri	19
25	Rohit Shukla	AB
26	Rohit Soge	AB
27	Rihikesh Ghurde	16
28	Samiksha Kalode	18
29	Shital Ghante	AB
30	Shubham Salve	16

31	Uttam Awarkar	14
32	Vaibhav Kale	15
33	Usha Chaudhari	19
34	Yash Patil.	18



**Signature of the Teacher**



**Head  
Department of the Computer Science**

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





**Master in Computer Application (MCA) Semester-I Examination 2021**

**Data communication and network**

**Unit Test -I**

**Semester-I Paper-II**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 27/01/2021**

---

Note: 1) All questions are compulsory and carry equals marks.

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

**Marks: 16**

- A. Explain the services of OSI reference model in detail. 8
- B. What are transmission media? Explain analog transmission in detail. 8
- C. Explain error detection and correction in data link layer. Also discuss design issues? 8
- D. Explain how internet works in Presentation Layer. Give examples Presentation Layer. 8

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

**Marks: 4**

- A. Explain ISDN in detail. 4
- B. Explain remote procedure call in detail? 4
- C. Explain Design issues of Application Layer? 4



**Signature of the Teache**



**Head  
Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-I Examination 2021**

**Data communication and network**

**Unit Test -II**

**Semester-I Paper-II**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 06/02/2021**

---

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

**Marks: 16**

- |  |   |
|--|---|
| A. Write a note on Firewall.                     | 8 |
| B. Explain RSA algorithm with suitable example.  | 8 |
| C. Explain IDEA Algorithm in detail?             | 8 |
| D. What is Hash function? Explain SHA algorithm. | 8 |

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

**Marks: 4**

- |   |   |
|---|---|
| A. What is Cryptography? Explain cipher block chaining mode of operation. | 4 |
| B. Discuss Packet Filtering in detail?                                    | 4 |
| C. Write a short note on Message Digests and Checksums.                   | 4 |



**Signature of the Teacher**



**Head  
Department of the 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**  
**MCA –I Semester-I**  
**Session 2021-2022**  
**Unit Test- I**

**Name of Faculty: Shri.A.A.Bodkhe**

**Date:14/12/2021**

**Subject: Open Source Web Programming using PHP**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained marks</b>
1	Aditya Akolkar	13
2	Ashwini Paradkar	15
3	Bhushan Zalke	14
4	Darshan Khierkar	13
5	Divya D	16
6	Divya Nakhane	14
7	Gayatri Bukkawar	19
8	Kantamayee W	13
9	Mayuresh Tiwalkar	17
10	Mayuri Giradkar	15
11	Mrunali Gajbhiye	AB
12	Megha Mendhe	AB
13	Neha Kalaskar	16
14	Nikita Bankhede	14
15	Nishant Tapre	12
16	Padmakshi Parwe	14
17	Pallavi Kilnake	18
18	Pooja Tale	AB
19	Prajwal Gaikwad	18
20	Pravin Burde	18
21	Pravin Burde	15
22	Prerna Ingle	16
23	Rashi Wasnik	15
24	Rupa Khatri	17
25	Rohit Shukla	AB
26	Rohit Soge	AB
27	Rihikesh Ghurde	16
28	Samiksha Kalode	18

29	Shital Ghante	AB
30	Shubham Salve	16
31	Uttam Awarkar	14
32	Vaibhav Kale	14
33	Usha Chaudhari	18
34	Yash Patil.	18
35		14



**Signature of the Teacher**



**Head**

**Department of the 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  
MCA –I Semester-I  
Session 2021-2022  
Unit Test- II**

**Name of Faculty: Shri.A.A.Bodkhe**

**Date: 03/03/2021**

**Subject: Open Source Web Programming using PHP**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aditya Akolkar	14
2	Ashwini Paradkar	16
3	Bhushan Zalke	18
4	Darshan Khierkar	13
5	Divya D	16
6	Divya Nakhane	17
7	Gayatri Bukkawar	19
8	Kantamayee W	13
9	Mayuresh Tiwalkar	17
10	Mayuri Giradkar	15
11	Mrunali Gajbhiye	AB
12	Megha Mendhe	AB
13	Neha Kalaskar	14
14	Nikita Bankhede	13
15	Nishant Tapre	12
16	Padmakshi Parwe	14
17	Pallavi Kilnake	18
18	Pooja Tale	AB
19	Prajwal Gaikwad	14
20	Pravin Burde	14
21	Pravin Burde	13
22	Prerna Ingle	14
23	Rashi Wasnik	14
24	Rupa Khatri	14

25	Rohit Shukla	AB
26	Rohit Soge	AB
27	Rihikesh Ghurde	17
28	Samiksha Kalode	19
29	Shital Ghante	AB
30	Shubham Salve	17
31	Uttam Awarkar	15
32	Vaibhav Kale	15
33	Usha Chaudhari	17
34	Yash Patil.	18



**Signature of the Teacher**



**Head**

**Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-I Examination 2021**  
**Open Source Web Programming using PHP**  
**Unit Test -I**  
**Semester-I Paper-III**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 14/12/2021**

---

Note: 1) All questions are compulsory and carry equals marks.

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

- |  |   |
|--|---|
| E. Explain Embedding PHP in Web Pages.                       | 8 |
| F. Explain POSTFIX Style Regular Expressions.                | 8 |
| G. What is function? How to create a function?               | 8 |
| H. Explain installing and configuring PHP on Linux platform. | 8 |

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

- |   |   |
|---|---|
| A. Explain any two Operators.               | 4 |
| B. Write a short note on Comparing Strings. | 4 |
| C. Explain Associative array in PHP.        | 4 |



**Signature of the Teacher**



**Head**  
**Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-I Examination 2021**  
**Open Source Web Programming using PHP**  
**Unit Test -II**  
**Semester-I Paper-III**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 03/03/2021**

---

Note: 1) All questions are compulsory and carry equals marks.

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

- |   |   |
|---|---|
| E. Explain session with example.                | 8 |
| F. Explain cookies with example.                | 8 |
| G. Explain how to embedding an image in a page. | 8 |
| H. Explain classes and objects with example.    | 8 |

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

- |                                  |   |
|----------------------------------|---|
| A. Write a note on Interfaces.   | 4 |
| B. Write a note on web services. | 4 |
| C. Write a note on web services. | 4 |



**Signature of the Teacher**



**Head**  
**Department of the 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**  
**MCA –I Semester-I**  
**Session 2021-2022**  
**Unit test-I**

**Name of Faculty:Shri.A. Taori**

**Date: 30/12/2021**

**Subject: Advanced DBMS and Administration**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aditya Akolkar	16
2	Ashwini Paradkar	15
3	Bhushan Zalke	14
4	Darshan Khierkar	12
5	Divya D	16
6	Divya Nakhane	13
7	Gayatri Bukkawar	19
8	Kantamayee W	18
9	Mayuresh Tiwalkar	17
10	Mayuri Giradkar	15
11	Mrunali Gajbhiye	AB
12	Megha Mendhe	18
13	Neha Kalaskar	16
14	Nikita Bankhede	14
15	Nishant Tapre	12
16	Padmakshi Parwe	18
17	Pallavi Kilnake	19
18	Pooja Tale	AB
19	Prajwal Gaikwad	20
20	Pravin Burde	20
21	Pravin Burde	15
22	Prerna Ingle	16
23	Rashi Wasnik	15



24	Rupa Khatri	19
25	Rohit Shukla	AB
26	Rohit Soge	14
27	Rihikesh Ghurde	15
28	Samiksha Kalode	18
29	Shital Ghante	14
30	Shubham Salve	16
31	Uttam Awarkar	17
32	Vaibhav Kale	15
33	Usha Chaudhari	19
34	Yash Patil.	18
35		15



**Signature of the Teacher**



**Head**

**Department of the 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**  
**MCA –I Semester-I**  
**Session 2021-2022**  
**Unit test-IV**

**Name of Faculty:Shri.A.A.Bodkhe**

**Date: 16/02/2021**

**Subject: Advanced DBMS and Administration**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aditya Akolkar	12
2	Ashwini Paradkar	15
3	Bhushan Zalke	18
4	Darshan Khierkar	14
5	Divya D	13
6	Divya Nakhane	15
7	Gayatri Bukkawar	16
8	Kantamayee W	19
9	Mayuresh Tiwalkar	16
10	Mayuri Giradkar	15
11	Mrunali Gajbhiye	18
12	Megha Mendhe	12
13	Neha Kalaskar	16
14	Nikita Bankhede	18
15	Nishant Tapre	19
16	Padmakshi Parwe	AB
17	Pallavi Kilnake	14
18	Pooja Tale	16
19	Prajwal Gaikwad	13
20	Pravin Burde	15
21	Pravin Burde	18
22	Prerna Ingle	17
23	Rashi Wasnik	14
24	Rupa Khatri	20

25	Rohit Shukla	AB
26	Rohit Soge	AB
27	Rihikesh Ghurde	12
28	Samiksha Kalode	16
29	Shital Ghante	18
30	Shubham Salve	12
31	Uttam Awarkar	09
32	Vaibhav Kale	12
33	Usha Chaudhari	11
34	Yash Patil.	18

*Azdehe*

**Signature of the Teacher**

*[Handwritten Signature]*

**Head  
Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-I Examination 2021**  
**Advanced DBMS and Administration**  
**Unit Test -I**  
**Semester-I Paper-IV**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 30/12/2021**

---

Note: 1) All questions are compulsory and carry equals marks.

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

**Marks: 16**

- |  |   |
|--|---|
| A. What is Query Execution Plan? Explain it in detail.             | 8 |
| B. What is Multiple Index Access?                                  | 8 |
| C. Explain the communication between client and Servers in detail. | 8 |
| D. Explain the different types of Failure in detail.               | 8 |

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

**Marks: 4**

- |  |   |
|--|---|
| A. What is Shadow paging and Checkpoint?                 | 4 |
| B. Discuss about Crash Recovery in detail.               | 4 |
| C. Explain the functions of Client and Server in detail. | 4 |

**Signature of the Teacher**

**Head**

**Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-I Examination 2021**

**Advanced DBMS and Administration**

**Unit Test -II**

**Semester-I Paper-IV**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 16/02/2021**

---

Note: 1) All questions are compulsory and carry equals marks.

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

**Marks: 16**

- |  |   |
|--|---|
| A. What is Query Execution Plan? Explain it in detail.             | 8 |
| B. What is Multiple Index Access?                                  | 8 |
| C. Explain the communication between client and Servers in detail. | 8 |
| D. Explain the different types of Failure in detail.               | 8 |

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

**Marks: 4**

- |  |   |
|--|---|
| A. What is Shadow paging and Checkpoint?                 | 4 |
| B. Discuss about Crash Recovery in detail.               | 4 |
| C. Explain the functions of Client and Server in detail. | 4 |



**Signature of the Teacher**



**Head**

**Department of the 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**  
**MCA –I Semester-I**  
**Session 2021-2022**  
**Unit Test- I**

**Name of Faculty: Ms. Asfiya Sheikh**

**Date: 10/12/2021**

**Subject: Software Engineering**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aditya Akolkar	12
2	Ashwini Paradkar	15
3	Bhushan Zalke	17
4	Darshan Khierkar	13
5	Divya D	13
6	Divya Nakhane	15
7	Gayatri Bukkawar	14
8	Kantamayee W	17
9	Mayuresh Tiwalkar	16
10	Mayuri Giradkar	15
11	Mrunali Gajbhiye	18
12	Megha Mendhe	12
13	Neha Kalaskar	16
14	Nikita Bankhede	18
15	Nishant Tapre	19
16	Padmakshi Parwe	AB
17	Pallavi Kilnake	14
18	Pooja Tale	16
19	Prajwal Gaikwad	13
20	Pravin Burde	15
21	Pravin Burde	18
22	Prerna Ingle	17
23	Rashi Wasnik	14
24	Rupa Khatri	20
25	Rohit Shukla	AB
26	Rohit Soge	AB

27	Rihikesh Ghurde	12
28	Samiksha Kalode	15
29	Shital Ghante	17
30	Shubham Salve	13
31	Uttam Awarkar	09
32	Vaibhav Kale	12
33	Usha Chaudhari	12
34	Yash Patil.	18
35		19

*ASWAIKH*

**Signature of the Teacher**



**Head**  
**Department of the 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  
MCA –I Semester-I  
Session 2021-2022  
Unit Test- II**

**Name of Faculty: Ms.A. Bodkhe  
Subject: Software Engineering**

**Date: 27/01/2022  
Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aditya Akolkar	14
2	Ashwini Paradkar	15
3	Bhushan Zalke	15
4	Darshan Khierkar	14
5	Divya D	14
6	Divya Nakhane	15
7	Gayatri Bukkawar	13
8	Kantamayee W	18
9	Mayuresh Tiwalkar	16
10	Mayuri Giradkar	15
11	Mrunali Gajbhiye	18
12	Megha Mendhe	13
13	Neha Kalaskar	16
14	Nikita Bankhede	18
15	Nishant Tapre	13
16	Padmakshi Parwe	AB
17	Pallavi Kilnake	14
18	Pooja Tale	14
19	Prajwal Gaikwad	13
20	Pravin Burde	14
21	Pravin Burde	18
22	Prerna Ingle	13
23	Rashi Wasnik	14
24	Rupa Khatri	20
25	Rohit Shukla	AB
26	Rohit Soge	AB



27	Rihikesh Ghurde	13
28	Samiksha Kalode	16
29	Shital Ghante	14
30	Shubham Salve	12
31	Uttam Awarkar	09
32	Vaibhav Kale	12
33	Usha Chaudhari	12
34	Yash Patil.	17
35		18

*Azdeke*

**Signature of the Teacher**



**Head**

**Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-I Examination 2021**  
**Software Engineering**  
**Unit Test -I**  
**Semester-I Paper-V**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 10/12/2021**

---

Note: 1) All questions are compulsory and carry equals marks.

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

- |   |   |
|---|---|
| E. Explain software myths in detail.                    | 8 |
| F. Explain waterfall model in detail.                   | 8 |
| G. Describe Context model in detail.                    | 8 |
| H. Explain the terms Design process and Design Quality. | 8 |

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

- |   |   |
|---|---|
| A. Explain changing the nature of Software. | 4 |
| B. Write a note on Process pattern.         | 4 |
| C. Write a note feasibility study.          | 4 |



**Signature of the Teacher**



**Head  
Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-I Examination 2021**

**Software Engineering**

**Unit Test -II**

**Semester-I Paper-V**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 27/01/2021**

---

Note: 1) All questions are compulsory and carry equals marks.

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

- |  |   |
|--|---|
| E. Differentiate between White Box testing and Black box testing | 8 |
| F. Explain Object oriented design process.                       | 8 |
| G. Explain RMMM plan in detail.                                  | 8 |
| H. Explain The ISO 9000 quality standards.                       | 8 |

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

- |                                       |   |
|---------------------------------------|---|
| A. Write a note on Design evaluation. | 4 |
| B. Write a note on Risk projection.   | 4 |
| C. Write a note on Golden rule.       | 4 |

*ASWAIKH*

*[Signature]*

**Signature of the Teacher**

**Head**

**Department of the 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**  
**MCA –II Semester-III**  
**Session 2021-2022**  
**Unit Test- I**

**Name of Faculty: Shri.A.A.Bodkhe**

**Date: 08/09/2022**

**Subject: Big Data Analytics**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Ku. A.B. Padwekar	12
2	Ku. A Bannagre	13
3	D.S. Wakarkar	14
4	G.S.Bobade	18
5	Ku. K.B.Dewalkar	19
6	Ku.K.K.Waurkar	AB
7	Ku. M.A.Hemane	16
8	Ku. M.V. Bejankar	15
9	Ku.N.H.Sonwane	13
10	Ku. N.N .Atram	12
11	P.M.Falke	AB
12	Ku.P.D.Thakre	14
13	P.M.Patil	15
14	P.S.Yadav	17
15	R.J.Farkade	10
16	R.Tembhurne	11
17	Ku.R.R.Nikhar	13
18	S.B.Thakur	14
19	S.D.Arsad	15
20	S.M.Karmore	18
21	Sheikh Nagoor Baji	13
22	S.S.Chatap	12
23	S.S.Katke	AB
24	U.G.Shripurkar	14

Asdehe

**Signature of the Teacher**



**Head**

**Department of the 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**  
**MCA –II Semester-III**  
**Session 2021-2022**  
**Unit Test- II**

**Name of Faculty: Shri.A.A.Bodkhe**

**Date: 26/11/2021**

**Subject: Big Data Analytics**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Ku. A.B. Padwekar	12
2	Ku. A Bannagre	13
3	D.S. Wakarkar	14
4	G.S.Bobade	18
5	Ku. K.B.Dewalkar	19
6	Ku.K.K.Waurkar	AB
7	Ku. M.A.Hemane	16
8	Ku. M.V. Bejankar	15
9	Ku.N.H.Sonwane	13
10	Ku. N.N .Atram	12
11	P.M.Falke	AB
12	Ku.P.D.Thakre	14
13	P.M.Patil	15
14	P.S.Yadav	17
15	R.J.Farkade	10
16	R.Tembhurne	11
17	Ku.R.R.Nikhar	13
18	S.B.Thakur	14
19	S.D.Arsad	15
20	S.M.Karmore	18
21	Sheikh Nagoor Baji	19
22	S.S.Chatap	18
23	S.S.Katke	19
24	U.G.Shripurkar	14

Asdehe

**Signature of the Teacher**



**Head**

**Department of the Computer Science**

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





**Master in Computer Application (MCA) Semester-III Examination 2022**

**Big Data Analytics**

**Unit Test -I**

**Semester-III Paper-I**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 08/09/2022**

---

Note: 1) All questions are compulsory and carry equals marks.

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

- |   |   |
|---|---|
| A. What is Big data? Explain different advantages of Bigdata.       | 8 |
| B. Explain Distributed and Parallel Computing in Big Data.          | 8 |
| C. Explain Hadoop Distributed file system.                          | 8 |
| D. Write a short notes on i) Data Source Layer ii) Ingestion Layer. | 8 |

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

- |   |   |
|---|---|
| A. Write a note on RDBMS.               | 4 |
| B. Write a note on Visualization Layer. | 4 |
| C. Write a note on CAP Theorem.         | 4 |



**Signature of the Teacher**



**Head**

**Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-III Examination 2022**

**Big Data Analytics**

**Unit Test -II**

**Semester-III Paper-I**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 26/11/2022**

---

Note: 1) All questions are compulsory and carry equals marks.

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

- |   |   |
|---|---|
| A. Explain Using c() Command.                             | 8 |
| B. What is Visualization? Explain types of Visualization. | 8 |
| C. Explain Mobile Analytics Tools.                        | 8 |
| D. Explain Challenges of Mobile Analytics                 | 8 |

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

- |   |   |
|---|---|
| A. Explain Advance Features of R.             | 4 |
| B. Write a note on Reading Data from RStudio. | 4 |
| C. Write a note on Text Mining Processes      | 4 |



**Signature of the Teacher**



**Head**

**Department of the 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  
MCA –II Semester-III  
Session 2021-2022  
Unit test-I**

**Name of Faculty: Ms. Asfiya Sheikh**

**Date: 01/10/2022**

**Subject: Data Mining**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Ku. A.B. Padwekar	12
2	Ku. A Bannagre	13
3	D.S. Wakarkar	14
4	G.S.Bobade	18
5	Ku. K.B.Dewalkar	19
6	Ku.K.K.Waurkar	AB
7	Ku. M.A.Hemane	16
8	Ku. M.V. Bejankar	15
9	Ku.N.H.Sonwane	13
10	Ku. N.N .Atram	12
11	P.M.Falke	AB
12	Ku.P.D.Thakre	14
13	P.M.Patil	15
14	P.S.Yadav	17
15	R.J.Farkade	10
16	R.Tembhurne	11
17	Ku.R.R.Nikhar	13
18	S.B.Thakur	14
19	S.D.Arsad	15
20	S.M.Karmore	18
21	Sheikh Nagoor Baji	19
22	S.S.Chatap	18
23	S.S.Katke	19
24	U.G.Shripurkar	14

Ashaith

Signature of the Teacher



**Head**  
**Department of the 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**  
**MCA –II Semester-III**  
**Session 2021-2022**  
**Unit test-II**

**Name of Faculty: Ms. Asfiya Sheikh**  
**Subject: Data mining**

**Date: 02/12/2022**  
**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Ku. A.B. Padwekar	12
2	Ku. A Bannagre	13
3	D.S. Wakarkar	14
4	G.S.Bobade	18
5	Ku. K.B.Dewalkar	19
6	Ku.K.K.Waurkar	AB
7	Ku. M.A.Hemane	16
8	Ku. M.V. Bejankar	15
9	Ku.N.H.Sonwane	13
10	Ku. N.N .Atram	12
11	P.M.Falke	AB
12	Ku.P.D.Thakre	14
13	P.M.Patil	15
14	P.S.Yadav	17
15	R.J.Farkade	10
16	R.Tembhurne	11
17	Ku.R.R.Nikhar	13
18	S.B.Thakur	14
19	S.D.Arsad	15
20	S.M.Karmore	18
21	Sheikh Nagoor Baji	19
22	S.S.Chatap	18
23	S.S.Katke	19
24	U.G.Shripurkar	14

Ashaikh

**Signature of the Teacher**



**Head  
Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-II Examination 2022**  
**Data Mining**  
**Unit Test -I**  
**Semester-III Paper-II**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 01/10/2022**

---

Note: 1) All questions are compulsory and carry equals marks.

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

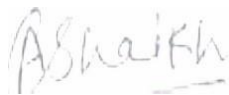
**Marks: 16**

- |  |   |
|--|---|
| A. Explain the origin of Data Mining?                                | 8 |
| B. Explain data preprocessing in detail?                             | 8 |
| C. Define Classification? Explain decision tree induction in detail? | 8 |
| D. What are the methods for comparing classifiers?                   | 8 |

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

**Marks: 4**

- |   |   |
|---|---|
| A. What is OLAP? Explain multidimensional data analysis in detail?              | 4 |
| B. Write different Data Mining tasks in detail?                                 | 4 |
| C. What is Visualization? Explain different Visualization techniques in detail? | 4 |



**Signature of the Teacher**



**Head**

**Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-II Examination 2022**

**Data Mining**

**Unit Test -II**

**Semester-III Paper-II**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 02/12/2022**

---

Note: 1) All questions are compulsory and carry equals marks.

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

**Marks: 16**

- |  |   |
|--|---|
| A Explain Bayesian Classifier in detail.             | 8 |
| B. Explain Artificial neural network in detail(ANN)? | 8 |
| C. Explain SNN Density –based Custering.             | 8 |
| E. Explain cluster based techniques in detail?       | 8 |

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

**Marks: 4**

- |  |   |
|--|---|
| A. Explain Naïve Bayes Classifier in detail. | 4 |
| B. Explain SNN Density –based Custering.     | 4 |
| C. Explain Graph based Clustering in detail. | 4 |

*AShaikh*

**Signature of the Teacher**

*[Signature]*

**Head**

**Department of the 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**  
**MCA –II Semester-III**  
**Session 2021-2022**  
**Unit Test- I**

**Name of Faculty: Shri.A.A.Bodkhe**

**Date:11/10/2022**

**Subject: Python Programming**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Ku. A.B. Padwekar	12
2	Ku. A Bannagre	13
3	D.S. Wakarkar	14
4	G.S.Bobade	18
5	Ku. K.B.Dewalkar	19
6	Ku.K.K.Waurkar	AB
7	Ku. M.A.Hemane	16
8	Ku. M.V. Bejankar	15
9	Ku.N.H.Sonwane	13
10	Ku. N.N .Atram	12
11	P.M.Falke	AB
12	Ku.P.D.Thakre	14
13	P.M.Patil	15
14	P.S.Yadav	17
15	R.J.Farkade	10
16	R.Tembhurne	11
17	Ku.R.R.Nikhar	13
18	S.B.Thakur	14
19	S.D.Arsad	15
20	S.M.Karmore	18
21	Sheikh Nagoor Baji	19
22	S.S.Chatap	18
23	S.S.Katke	19
24	U.G.Shripurkar	14

Asdehe

**Signature of the Teacher**



**Head**

**Department of the 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**  
**MCA –II Semester-III**  
**Session 2021-2022**  
**Unit Test- II**

**Name of Faculty: Shri.A.A.Bodkhe**  
**Subject: Python Programming**

**Date: 08/12/2022**  
**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Ku. A.B. Padwekar	12
2	Ku. A Bannagre	13
3	D.S. Wakarkar	14
4	G.S.Bobade	18
5	Ku. K.B.Dewalkar	19
6	Ku.K.K.Waurkar	AB
7	Ku. M.A.Hemane	16
8	Ku. M.V. Bejankar	15
9	Ku.N.H.Sonwane	13
10	Ku. N.N .Atram	12
11	P.M.Falke	AB
12	Ku.P.D.Thakre	14
13	P.M.Patil	15
14	P.S.Yadav	17
15	R.J.Farkade	10
16	R.Tembhurne	11
17	Ku.R.R.Nikhar	13
18	S.B.Thakur	14
19	S.D.Arsad	15
20	S.M.Karmore	18
21	Sheikh Nagoor Baji	19
22	S.S.Chatap	18
23	S.S.Katke	19
24	U.G.Shripurkar	14

*Asdehe*

**Signature of the Teacher**



**Head**

**Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-III Examination 2022**  
**Python Programming**  
**Unit Test -I**  
**Semester-III Paper-III**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 11/10/2022**

---

Note: 1) All questions are compulsory and carry equals marks.

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

- |  |   |
|--|---|
| A. What is Python? Explain different types of lists. | 8 |
| B. What is Tuples? Explain tuples in detail.         | 8 |
| C. Explain the working of sy module.                 | 8 |
| D. Explain the working with os module.               | 8 |

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

- |   |   |
|---|---|
| A. Write a note on Multithreading.      | 4 |
| B. Write a note on Unicode Strings.     | 4 |
| C. Write a note on Built in exceptions. | 4 |



**Signature of the Teacher**



**Head**  
**Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-III Examination 2022**  
**Python Programming**  
**Unit Test -II**  
**Semester-III Paper-III**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 08/12/2022**

---

Note: 1) All questions are compulsory and carry equals marks.

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

- |   |   |
|---|---|
| A. Explain workings with files.                   | 8 |
| B. Explain File/Directory Management.             | 8 |
| C. Explain Uniform Resource Locators and cookies. | 8 |
| D. Explain Socket Server in detail.               | 8 |

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

- |                                    |   |
|------------------------------------|---|
| A. Explain Processing XML.         | 4 |
| B. Write a note on File Locking.   | 4 |
| C. Write a note on Graphic Modules | 4 |



**Signature of the Teacher**



**Head**

**Department of the 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**  
**MCA –II Semester-III**  
**Session 2021-2022**  
**Unit Test- I**

**Name of Faculty: Ms. Asfiya Shaikh**

**Date: 15/10/2022**

**Subject: Artificial Intelligence**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Ku. A.B. Padwekar	12
2	Ku. A Bannagre	13
3	D.S. Wakarkar	14
4	G.S.Bobade	18
5	Ku. K.B.Dewalkar	19
6	Ku.K.K.Waurkar	AB
7	Ku. M.A.Hemane	16
8	Ku. M.V. Bejankar	15
9	Ku.N.H.Sonwane	13
10	Ku. N.N .Atram	12
11	P.M.Falke	AB
12	Ku.P.D.Thakre	14
13	P.M.Patil	15
14	P.S.Yadav	17
15	R.J.Farkade	10
16	R.Tembhurne	11
17	Ku.R.R.Nikhar	13
18	S.B.Thakur	14
19	S.D.Arsad	15
20	S.M.Karmore	18
21	Sheikh Nagoor Baji	19
22	S.S.Chatap	18
23	S.S.Katke	19
24	U.G.Shripurkar	14

Aswath

**Signature of the Teacher**



**Head  
Department of the 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**  
**MCA –II Semester-III**  
**Session 2021-2022**  
**Unit Test- II**

**Name of Faculty: Ms. Asfiya Shaikh**

**Date: 22/11/2022**

**Subject: Artificial Intelligence**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Ku. A.B. Padwekar	12
2	Ku. A Bannagre	13
3	D.S. Wakarkar	14
4	G.S.Bobade	18
5	Ku. K.B.Dewalkar	19
6	Ku.K.K.Waurkar	AB
7	Ku. M.A.Hemane	16
8	Ku. M.V. Bejankar	15
9	Ku.N.H.Sonwane	13
10	Ku. N.N .Atram	12
11	P.M.Falke	AB
12	Ku.P.D.Thakre	14
13	P.M.Patil	15
14	P.S.Yadav	17
15	R.J.Farkade	10
16	R.Tembhurne	11
17	Ku.R.R.Nikhar	13
18	S.B.Thakur	14
19	S.D.Arsad	15
20	S.M.Karmore	18
21	Sheikh Nagoor Baji	19
22	S.S.Chatap	18
23	S.S.Katke	19
24	U.G.Shripurkar	14

Aswath

**Signature of the Teacher**



**Head  
Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-III Examination 2022**  
**Artificial Intelligence**  
**Unit Test -I**  
**Semester-III Paper-IV**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 15/10/2022**

---

Note: 1) All questions are compulsory and carry equals marks.

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

**Marks: 16**

- A. What is Artificial Intelligence? Describe different AI Techniques, and its applications 8
- B. Write an algorithm for the breadth-first search strategies. 8  
What is knowledge representation? State the characteristics of good knowledge Representation system. 8
- C. Differentiate between Forward versus Backward reasoning. 8

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

**Marks: 4**

- A. Write A\* algorithm and discuss briefly the various observations about algorithm. 4
- B. Write notes on: (i) Expert system (ii) Control knowledge. 4
- C. What is predicate logic? Explain resolution in predicate logic. 4

*Ashaikh*

**Signature of the Teacher**

*[Handwritten Signature]*

**Head**  
**Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-III Examination 2022**

**Artificial Intelligence**

**Unit Test -II**

**Semester-III Paper-IV**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 22/11/2022**

---

Note: 1) All questions are compulsory and carry equals marks.

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

**Marks: 16**

- A. What is Planning system? Explain the components of a planning system. 8
- B. Explain the following terms in detail: 8  
(i) Alpha-Beta cut-offs (ii) Additional refinement.
- C. What is understanding? Justify the statement "Understanding as Constraint Satisfaction." 8
- D. What is constraint satisfaction? Explain in detail. 8

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

**Marks: 4**

- A. What is Adding Alpha beta cutoff? Explain in detail 4
- B. What is planning? Explain component of planning in detail. 4
- C. Explain Natural Language Processing? 4

*Ashaikh*

**Signature of the Teacher**

*[Signature]*

**Head**

**Department of the 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  
MCA –II Semester-III  
Session 2021-2022  
Unit test-I**

**Name of Faculty: Ms.Asfiya Sheikh  
Subject: Soft Computing**

**Date: 12/10/2022  
Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Ku. A.B. Padwekar	12
2	Ku. A Bannagre	13
3	D.S. Wakarkar	14
4	G.S.Bobade	18
5	Ku. K.B.Dewalkar	19
6	Ku.K.K.Waurkar	AB
7	Ku. M.A.Hemane	16
8	Ku. M.V. Bejankar	15
9	Ku.N.H.Sonwane	13
10	Ku. N.N .Atram	12
11	P.M.Falke	AB
12	Ku.P.D.Thakre	14
13	P.M.Patil	15
14	P.S. Yadav	17
15	R.J.Farkade	10
16	R.Tembhurne	11
17	Ku.R.R.Nikhar	13
18	S.B.Thakur	14
19	S.D.Arsad	15
20	S.M.Karmore	18
21	Sheikh Nagoor Baji	19
22	S.S.Chatap	18
23	S.S.Katke	19
24	U.G.Shripurkar	14

Aswath

**Signature of the Teacher**



**Head  
Department of the 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**

**MCA –II Semester-III**

**Session 2021-2022**

**Unit test-II**

**Name of Faculty: Ms.Asfiya Sheikh**

**Date:07/12/2022**

**Subject: Soft Computing**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Ku. A.B. Padwekar	12
2	Ku. A Bannagre	13
3	D.S. Wakarkar	14
4	G.S.Bobade	18
5	Ku. K.B.Dewalkar	19
6	Ku.K.K.Waurkar	AB
7	Ku. M.A.Hemane	16
8	Ku. M.V. Bejankar	15
9	Ku.N.H.Sonwane	13
10	Ku. N.N .Atram	12
11	P.M.Falke	AB
12	Ku.P.D.Thakre	14
13	P.M.Patil	15
14	P.S.Yadav	17
15	R.J.Farkade	10
16	R.Tembhurne	11
17	Ku.R.R.Nikhar	13
18	S.B.Thakur	14
19	S.D.Arsad	15
20	S.M.Karmore	18
21	Sheikh Nagoor Baji	19
22	S.S.Chatap	18
23	S.S.Katke	19
24	U.G.Shripurkar	14

Aswath

**Signature of the Teacher**



**Head**

**Department of the Computer Science**

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





**Master in Computer Application (MCA) Semester-II Examination 2023**  
**Soft Computing**  
**Unit Test -I**  
**Semester-III Paper-V**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 12/10/2022**

---

Note: 1) All questions are compulsory and carry equals marks.

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

**Marks: 16**

- E. What is searching techniques? Explain Breadth First Search and Depth First Search in detail. 8
- F. Write a note on 1) A\* algorithm  
2) AO\* algorithm 8
- G. Explain Mc Culloch –Pits Neuron model in detail 8
- H. What is Perceptron? Explain Single Layer and Multilayer Perceptron in detail. 8

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

**Marks: 4**

- A. Write a note on Iterative Deepning. 4
- B. Explain Different Activation functions in learning methods. 4
- C. Write a short note on Dempster Shefer theory? 4

*AShaikh*

**Signature of the Teacher**

*[Signature]*

**Head**

**Department of the 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  
MCA –I Semester-II  
Session 2021-2022  
Unit Test- I**

**Name of Faculty: Shri.A.A.Bodkhe**

**Date: 13/04/2022**

**Subject: C# and ASP .NET**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Ku. A.B. Padwekar	15
2	Ku. A Bannagre	11
3	D.S. Wakarkar	12
4	G.S.Bobade	13
5	Ku. K.B.Dewalkar	15
6	Ku.K.K.Waurkar	14
7	Ku. M.A.Hemane	16
8	Ku. M.V. Bejankar	13
9	Ku.N.H.Sonwane	12
10	Ku. N.N .Atram	AB
11	P.M.Falke	11
12	Ku.P.D.Thakre	AB
13	P.M.Patil	11
14	P.S.Yadav	13
15	R.J.Farkade	12
16	R.Tembhurne	14
17	Ku.R.R.Nikhar	AB
18	S.B.Thakur	14
19	S.D.Arsad	12
20	S.M.Karmore	AB
21	Sheikh Nagoor Baji	12
22	S.S.Chatap	14
23	S.S.Katke	15
24	U.G.Shripurkar	18



**Signature of the Teacher**



**Head**

**Department of the 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**  
**MCA –I Semester-II**  
**Session 2021-2022**  
**Unit Test- II**

Name of Faculty: **Shri.A.A.Bodkhe**

Date: **18/05/2022**

Subject: **C# and ASP .NET**

Maximum Marks: **20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained marks</b>
1	Ku. A.B. Padwekar	<b>10</b>
2	Ku. A Bannagre	<b>12</b>
3	D.S. Wakarkar	<b>15</b>
4	G.S.Bobade	<b>14</b>
5	Ku. K.B.Dewalkar	<b>11</b>
6	Ku.K.K.Waurkar	<b>AB</b>
7	Ku. M.A.Hemane	<b>16</b>
8	Ku. M.V. Bejankar	<b>12</b>
9	Ku.N.H.Sonwane	<b>11</b>
10	Ku. N.N .Atram	<b>10</b>
11	P.M.Falke	<b>07</b>
12	Ku.P.D.Thakre	<b>10</b>
13	P.M.Patil	<b>11</b>
14	P.S.Yadav	<b>AB</b>
15	R.J.Farkade	<b>AB</b>
16	R.Tembhurne	<b>12</b>
17	Ku.R.R.Nikhar	<b>13</b>
18	S.B.Thakur	<b>14</b>
19	S.D.Arsad	<b>15</b>
20	S.M.Karmore	<b>17</b>
21	Sheikh Nagoor Baji	<b>15</b>
22	S.S.Chatap	<b>16</b>
23	S.S.Katke	<b>10</b>
24	U.G.Shripurkar	<b>11</b>



**Signature of the Teacher**



**Head**

**Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-II**

**Examination 2022**

**C# and ASP .NET**

**Unit Test -I**

**Semester-II Paper-I**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 13/04/2022**

---

Note: 1) All questions are compulsory and carry equals marks.

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

- |  |   |
|--|---|
| A. Explain .NET architecture in detail.        | 8 |
| B. Explain Common language runtime in detail.  | 8 |
| C. Explain Reading and Writing binary files.   | 8 |
| D. Explain the Concept of Boxing and Unboxing. | 8 |

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

- |   |   |
|---|---|
| A. Explain Enumeration type with example. | 4 |
| B. Write a note on Metadata.              | 4 |
| C. Write a note Garbage Collector.        | 4 |



**Signature of the Teacher**



**Head**

**Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-II Examination**  
**2023C# and ASP .NET**  
**Unit Test -II**  
**Semester-II Paper-I**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 18/05/2022**

---

Note: 1) All questions are compulsory and carry equals marks.

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

- |  |   |
|--|---|
| A. Differentiate between C# and VB.NET.              | 8 |
| B. What is IIS? Write down steps for Installing IIS? | 8 |
| C. Explain different types of Common errors.         | 8 |
| D. Explain the ASP .NET Security Model.              | 8 |

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

- |                                   |   |
|-----------------------------------|---|
| A. Write a note on Namespace.     | 4 |
| B. Write a note on AutoPostBack.  | 4 |
| C. Write a note on bin directory. | 4 |

*AShaikh*

**Signature of the Teacher**

*[Signature]*

**Head**

**Department of the 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  
MCA –I Semester-II  
Session 2021-2022  
Unit test-I**

**Name of Faculty: Ms. Asfiya Sheikh  
Subject: Cloud Computing**

**Date: 24/04/2022  
Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Ku. A.B. Padwekar	15
2	Ku. A Bannagre	AB
3	D.S. Wakarkar	AB
4	G.S.Bobade	16
5	Ku. K.B.Dewalkar	15
6	Ku.K.K.Waurkar	17
7	Ku. M.A.Hemane	20
8	Ku. M.V. Bejankar	19
9	Ku.N.H.Sonwane	14
10	Ku. N.N .Atram	18
11	P.M.Falke	19
12	Ku.P.D.Thakre	AB
13	P.M.Patil	16
14	P.S.Yadav	12
15	R.J.Farkade	13
16	R.Tembhurne	15
17	Ku.R.R.Nikhar	18
18	S.B.Thakur	AB
19	S.D.Arsad	19
20	S.M.Karmore	19
21	Sheikh Nagoor Baji	15
22	S.S.Chatap	12
23	S.S.Katke	12
24	U.G.Shripurkar	15

Aswath

**Signature of the Teacher**



**Head  
Department of the 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  
MCA –I Semester-II  
Session 2021-2022  
Unit test-II**

**Name of Faculty:** Ms. Asfiya Sheikh  
**Subject:** Cloud Computing

**Date:** 27/05/2022  
**Maximum Marks:** 20

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Ku. A.B. Padwekar	12
2	Ku. A Bannagre	18
3	D.S. Wakarkar	19
4	G.S.Bobade	15
5	Ku. K.B.Dewalkar	13
6	Ku.K.K.Waurkar	12
7	Ku. M.A.Hemane	20
8	Ku. M.V. Bejankar	18
9	Ku.N.H.Sonwane	15
10	Ku. N.N .Atram	AB
11	P.M.Falke	15
12	Ku.P.D.Thakre	18
13	P.M.Patil	17
14	P.S.Yadav	16
15	R.J.Farkade	12
16	R.Tembhurne	11
17	Ku.R.R.Nikhar	15
18	S.B.Thakur	AB
19	S.D.Arsad	14
20	S.M.Karmore	19
21	Sheikh Nagoor Baji	AB
22	S.S.Chatap	10
23	S.S.Katke	15
24	U.G.Shripurkar	18

Ashaikh

**Signature of the Teacher**



**Head  
Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-II Examination 2022**  
**Cloud Computing**  
**Unit Test -I**  
**Semester-II Paper-II**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 24/04/2022**

---

Note: 1) All questions are compulsory and carry equals marks.

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

**Marks: 16**

- |   |   |
|---|---|
| D. What is Cloud Computing? Explain the different Challenges occurred in Cloud Computing. | 8 |
| E. Explain different types of Clouds in detail.   | 8 |
| F. Explain the various Cloud Applications with examples.                                  | 8 |
| G. Write any two Application developers in cloud computing.                               | 8 |

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

**Marks: 4**

- |  |   |
|--|---|
| A. Explain the types of hypervisors in detail.     | 4 |
| B. Write Programming Support of Google App Engine. | 4 |
| C. Write a note on Microsoft Cloud Services.       | 4 |

*Ashaikh*

**Signature of the Teacher**



**Head**

**Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-II Examination 2022**  
**Cloud Computing**  
**Unit Test -II**  
**Semester-II Paper-II**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 27/05/2022**

---

Note: 1) All questions are compulsory and carry equals marks.

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

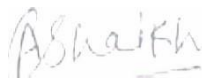
**Marks: 16**

- |  |   |
|--|---|
| E. What is Threat? Explain different Threat Agents in cloud Computing. | 8 |
| F. What are the Issues Occurs in Cloud Computing?                      | 8 |
| G. Explain How the cloud will change Operating System?.                | 8 |
| H. Write different Examples of Home Based Cloud Computing?             | 8 |

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

**Marks: 4**

- |   |   |
|---|---|
| A. Explain Regulatory Issues and Accountability in Cloud Computing. | 4 |
| B. Explain the Online Social and Professional Networking in detail. | 4 |
| C. Write different Examples of Home Based Cloud Computing?          | 4 |



**Signature of the Teacher**



**Head**

**Department of the 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  
MCA –I Semester-II  
Session 2021-2022  
Unit test-I**

**Name of Faculty: Ms. Asfiya Shaikh  
Subject: Computer Graphics**

**Date: 20/04/2022  
Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1	Ku. A.B. Padwekar	12
2	Ku. A Bannagre	10
3	D.S. Wakarkar	11
4	G.S.Bobade	13
5	Ku. K.B.Dewalkar	14
6	Ku.K.K.Waurkar	12
7	Ku. M.A.Hemane	11
8	Ku. M.V. Bejankar	19
9	Ku.N.H.Sonwane	15
10	Ku. N.N .Atram	AB
11	P.M.Falke	12
12	Ku.P.D.Thakre	18
13	P.M.Patil	18
14	P.S. Yadav	15
15	R.J.Farkade	12
16	R.Tembhurne	11
17	Ku.R.R.Nikhar	14
18	S.B.Thakur	AB
19	S.D.Arsad	13
20	S.M.Karmore	19
21	Sheikh Nagoor Baji	AB
22	S.S.Chatap	10
23	S.S.Katke	12
24	U.G.Shripurkar	18

Ashaikh

**Signature of the Teacher**



**Head  
Department of the 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**  
**MCA –I Semester-II**  
**Session 2021-2022**  
**Unit test-II**

**Name of Faculty: Ms. Asfiya Shaikh**

**Date: 24/05/2022**

**Subject: Computer Graphics**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1	Ku. A.B. Padwekar	10
2	Ku. A Bannagre	11
3	D.S. Wakarkar	18
4	G.S.Bobade	14
5	Ku. K.B.Dewalkar	14
6	Ku.K.K. Waurkar	13
7	Ku. M.A.Hemane	15
8	Ku. M.V. Bejankar	17
9	Ku.N.H.Sonwane	15
10	Ku. N.N .Atram	AB
11	P.M.Falke	15
12	Ku.P.D.Thakre	17
13	P.M.Patil	16
14	P.S. Yadav	14
15	R.J.Farkade	13
16	R.Tembhurne	12
17	Ku.R.R.Nikhar	14
18	S.B.Thakur	AB
19	S.D.Arsad	14
20	S.M.Karmore	14
21	Sheikh Nagoor Baji	AB
22	S.S.Chatap	10
23	S.S.Katke	14
24	U.G.Shripurkar	17

Ashaikh

**Signature of the Teacher**



**Head  
Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-II Examination 2022**

**Computer Graphics**

**Unit Test -I**

**Semester-II Paper-III**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 20/04/2022**

---

Note: 1) All questions are compulsory and carry equals marks.

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

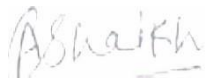
**Marks: 16**

- |   |   |
|---|---|
| A. Explain normalized device co-ordinates.  | 8 |
| B. Write and explain Bresenham Algorithm.   | 8 |
| C. Explain DDA algorithm in detail.         | 8 |
| D. Explain different Video display devices. | 8 |

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

**Marks: 4**

- |   |   |
|---|---|
| A. Explain Logical classification of input devices. | 4 |
| B. Explain Scan-line polygon fill Algorithm.        | 4 |
| C. Write a note on Mid-point circle algorithm.      | 4 |



**Signature of the Teacher**



**Head**

**Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-II Examination 2022**

**Computer Graphics**

**Unit Test -II**

**Semester-II Paper-III**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 24/05/2022**

---

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

**Marks: 16**

- |  |   |
|--|---|
| A. What is clipping? Explain Sutherland Hodgman algorithm. | 8 |
| B. Explain Projection in detail.                           | 8 |
| C. Explain B-spline with example.                          | 8 |
| D. Explain Color models in detail.                         | 8 |

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

**Marks: 4**

- |  |   |
|--|---|
| A. Explain different Color models in detail. | 4 |
| B. Write a note on Bezier curve.             | 4 |
| C. Write a note on Hidden lines.             | 4 |

*Ashaikh*

**Signature of the Teacher**

*[Signature]*

**Head**

**Department of the 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**  
**MCA –I Semester-II**  
**Session 2021-2022**  
**Unit Test- I**

**Name of Faculty: Shri.A.A.Bodkhe**

**Date: 17/04/2022**

**Subject: Computer Architecture and Organization**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Ku. A.B. Padwekar	10
2	Ku. A Bannagre	12
3	D.S. Wakarkar	13
4	G.S.Bobade	14
5	Ku. K.B.Dewalkar	15
6	Ku.K.K.Waurkar	14
7	Ku. M.A.Hemane	15
8	Ku. M.V. Bejankar	16
9	Ku.N.H.Sonwane	12
10	Ku. N.N .Atram	AB
11	P.M.Falke	10
12	Ku.P.D.Thakre	11
13	P.M.Patil	12
14	P.S.Yadav	14
15	R.J.Farkade	15
16	R.Tembhurne	AB
17	Ku.R.R.Nikhar	AB
18	S.B.Thakur	14
19	S.D.Arsad	12
20	S.M.Karmore	12
21	Sheikh Nagoor Baji	11
22	S.S.Chatap	10
23	S.S.Katke	AB
24	U.G.Shripurkar	14



**Signature of the Teacher**



**Head**

**Department of the 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  
MCA –I Semester-II  
Session 2021-2022  
Unit Test- II**

**Name of Faculty:Shri.A.A.Bodkhe**

**Date: 20/05/2022**

**Subject: Computer Architecture and Organization**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Ku. A.B. Padwekar	10
2	Ku. A Bannagre	11
3	D.S. Wakarkar	11
4	G.S.Bobade	11
5	Ku. K.B.Dewalkar	15
6	Ku.K.K.Waurkar	12
7	Ku. M.A.Hemane	11
8	Ku. M.V. Bejankar	13
9	Ku.N.H.Sonwane	12
10	Ku. N.N .Atram	AB
11	P.M.Falke	10
12	Ku.P.D.Thakre	10
13	P.M.Patil	12
14	P.S.Yadav	14
15	R.J.Farkade	14
16	R.Tembhurne	AB
17	Ku.R.R.Nikhar	AB
18	S.B.Thakur	14
19	S.D.Arsad	13
20	S.M.Karmore	12
21	Sheikh Nagoor Baji	10
22	S.S.Chatap	10
23	S.S.Katke	AB
24	U.G.Shripurkar	14

*Azdeke*

**Signature of the Teacher**



**Head  
Department of the Computer Science**

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





**Master in Computer Application (MCA) Semester-II Examination**  
**2021-2022 Computer Architecture and Organization**  
**Unit Test -I**  
**Semester-II Paper-IV**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 17/04/2022**

---

Note: 1) All questions are compulsory and carry equals marks.

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

- |   |   |
|---|---|
| H. Explain Organization of the CPU and main memory of the IAS computer. | 8 |
| I. Explain Structure of the IBM System/360.                             | 8 |
| J. Write down Booths multiplication algorithm.                          | 8 |
| K. Explain n-bit twos complement adder-subtractor.                      | 8 |

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

- |   |   |
|---|---|
| A. Write a note on Performance measurement. | 4 |
| B. Write a note on two-stage pipeline.      | 4 |
| C. Write a note on Superscalar processing.  | 4 |

*Abdehe*

**Signature of the Teacher**

*[Signature]*

**Head**

**Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-II Examination  
2021-2022**

**Computer Architecture and Organization  
Unit Test -II  
Semester-II Paper-IV**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 20/05/2022**

---

Note: 1) All questions are compulsory and carry equals marks.

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

- |  |   |
|--|---|
| I. Explain signal of the PCI standard bus.             | 8 |
| J. What is memory? Explain memory types in detail.     | 8 |
| K. Write notes on i) Access modes ii) Memory retention | 8 |
| L. Explain Direct Memory Access.                       | 8 |

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

- |   |   |
|---|---|
| A. Explain multilevel memories in detail. | 4 |
| B. Write a note on Pipeline interrupts.   | 4 |
| C. Write a note Redundancy.               | 4 |



**Signature of the Teacher**



**Head  
Department of the 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  
MCA –I Semester-II  
Session 2021-2022  
Unit test-I**

**Name of Faculty: S.Pawade**  
**Subject: Android Programming**

**Date: 29/04/2022**  
**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Ku. A.B. Padwekar	19
2	Ku. A Bannagre	18
3	D.S. Wakarkar	14
4	G.S.Bobade	16
5	Ku. K.B.Dewalkar	15
6	Ku.K.K.Waurkar	18
7	Ku. M.A.Hemane	17
8	Ku. M.V. Bejankar	AB
9	Ku.N.H.Sonwane	16
10	Ku. N.N .Atram	18
11	P.M.Falke	14
12	Ku.P.D.Thakre	11
13	P.M.Patil	12
14	P.S.Yadav	15
15	R.J.Farkade	18
16	R.Tembhurne	14
17	Ku.R.R.Nikhar	17
18	S.B.Thakur	AB
19	S.D.Arsad	15
20	S.M.Karmore	16
21	Sheikh Nagoor Baji	15
22	S.S.Chatap	AB
23	S.S.Katke	13
24	U.G.Shripurkar	14



**Signature of the Teacher**



**Head  
Department of the 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  
MCA –I Semester-II  
Session 2021-2022  
Unit test-II**

**Name of Faculty: S.Pawade**  
**Subject: Android Programming**

**Date:29/05/2022**  
**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Ku. A.B. Padwekar	17
2	Ku. A Bannagre	15
3	D.S. Wakarkar	19
4	G.S.Bobade	18
5	Ku. K.B.Dewalkar	14
6	Ku.K.K.Waurkar	15
7	Ku. M.A.Hemane	16
8	Ku. M.V. Bejankar	12
9	Ku.N.H.Sonwane	18
10	Ku. N.N .Atram	15
11	P.M.Falke	17
12	Ku.P.D.Thakre	16
13	P.M.Patil	15
14	P.S.Yadav	12
15	R.J.Farkade	14
16	R.Tembhurne	15
17	Ku.R.R.Nikhar	09
18	S.B.Thakur	AB
19	S.D.Arsad	19
20	S.M.Karmore	15
21	Sheikh Nagoor Baji	16
22	S.S.Chatap	18
23	S.S.Katke	17
24	U.G.Shripurkar	14



**Signature of the Teacher**



**Head  
Department of the Computer Science**

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



**Master in Computer Application (MCA) Semester-II Examination 2022**  
**Android Programming**  
**Unit Test -I**  
**Semester-II Paper-V**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 29/05/2023**

---

Note: 1) All questions are compulsory and carry equals marks.

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

**Marks: 16**

- |  |   |
|--|---|
| E. What is Android? Explain the different features and history of Android. | 8 |
| F. Explain the Architecture of Android in detail.                          | 8 |
| G. What is Activity? Explain the lifecycle of Activity in detail.          | 8 |
| H. What is Intent? Explain the passing of data using an Intent object.     | 8 |

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

**Marks: 4**

- |   |   |
|---|---|
| A. Write a simple hello program in Android with its Output? | 4 |
| B. What is Fragment? Explain it in detail.                  | 4 |
| C. How we link an Activities using Intent?                  | 4 |



**Signature of the Teacher**



**Head**  
**Department of the Computer Science**

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





**Master in Computer Application (MCA) Semester-II Examination 2022**  
**Android Programming**  
**Unit Test -II**  
**Semester-II Paper-V**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 29/05/2022**

---

Note: 1) All questions are compulsory and carry equals marks.

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

**Marks: 16**

- |  |   |
|--|---|
| E. What is View? Explain different views in detail.                          | 8 |
| F. What is Layout? Explain different layouts in detail.                      | 8 |
| G. Develop an Application in android to save User Data Persistently in file? | 8 |
| H. Explain Android Networking in detail.                                     | 8 |

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

**Marks: 4**

- |  |   |
|--|---|
| A. What is Menu? Explain Different Menus in detail.                  | 4 |
| B. What are Notification Explain different notifications in detail?  | 4 |
| C. Explain the Working of Binary and Data and Text Files in Android. | 4 |



**Signature of the Teacher**



**Head**  
**Department of the Computer Science**

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

