

**Shri Shivaji Education Society Amravati's  
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR  
Department of Computer Science  
MCA –I Semester-I  
Session 2022-2023  
Unit Test- I**

**Name of Faculty: Ms. A.S. Choudhari**

**Date: 10/12/2022**

**Subject: Advance Java Programming**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aachal P. Churhe	13
2	Aditya M. Bansule	15
3	Ankit W. Singade	12
4	Ankita S. Waghare	12
5	Ashwini P. Surkar	16
6	Bhagyashri D. Madhulkar	13
7	Chinmay H. Bhake	19
8	Divya S. Pawar	18
9	Iqra K. Sabri	12
10	Kalash R. Pawade	AB
11	Ketan R. Mendhule	AB
12	MadhavKarkare	17
13	Mitali A. Bonde	16
14	Pavan N. Pandrangi	14
15	Payal M. Poaunikar	13
16	Pradhumn V. Charde	18
17	Praful D. Khonke	19
18	Pranay S. Gatfane	AB
19	Punam O. Gotmare	19
20	Rajsi D. Kingri	18
21	Ritika S. Wankar	15
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23	Sagar R. Yedaskar	14
24	Sahil M.Asutkar	19
25	Simrankaur A. Bedi	AB
26	Sonal P. Ulabhaje	14
27	SufiyanI.Kureshi	15
28	Swati V. Jamgade	16

29	Tanmay H. Bhake	14
30	Tejas S. Thakare	15
31	Vedankita R. Mohod	17
32	Vidhi Y. Soneji	16
33	Vidhit V. Ganthale	17
34	Yashashree S. Landge	18
35	Yewati R. Kinkar	15

*Ashaudhari*

**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 2022-2023  
Unit test-II**

**Name of Faculty: Ms. A.S. Choudhari**

**Date: 27/01/2023**

**Subject: Advance Java Programming**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aachal P. Churhe	14
2	Aditya M. Bansule	15
3	Ankit W. Singade	13
4	Ankita S. Waghare	12
5	Ashwini P. Surkar	15
6	Bhagyashri D. Madhulkar	13
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*Ashaudhari*

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

**Time: 1 Hrs.**

**Marks: 20**

**Date: 10/12/2022**

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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 |



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

**Advance Java Programming**

**Unit Test -II**

**Semester-I Paper-I**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 27/01/2023**

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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 |



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Department of Computer Science  
MCA –I Semester-I  
Session 2022-2023  
Unit Test- I**

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

**Date: 31/01/2023**

**Subject: Data communication and network**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aachal P. Churhe	14
2	Aditya M. Bansule	16
3	Ankit W. Singade	18
4	Ankita S. Waghare	12
5	Ashwini P. Surkar	14
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19	Punam O. Gotmare	20
20	Rajsi D. Kingri	20
21	Ritika S. Wankar	15
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31	Vedankita R. Mohod	17
32	Vidhi Y. Soneji	15
33	Vidhit V. Ganthale	18
34	Yashashree S. Landge	16
35	Yewati R. Kinkar	15

*Aswathi*

**Signature of the Teacher**

*[Handwritten Signature]*

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**SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR**  
**Department of Computer Science**  
**MCA –I Semester-I**  
**Session 2022-2023**  
**Unit test-II**

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

**Date: 31/01/2023**

**Subject: Data communication and network**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aachal P. Churhe	14
2	Aditya M. Bansule	15
3	Ankit W. Singade	13
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34	Yashashree S. Landge	18
35	Yewati R. Kinkar	15

*Ashtak*

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*[Handwritten Signature]*

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Congress Nagar, Nagpur



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

**Data communication and network**

**Unit Test -I**

**Semester-I Paper-II**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 27/01/2023**

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

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

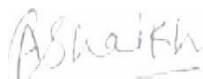
**Marks: 16**

- 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



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

**Data communication and network**

**Unit Test -II**

**Semester-I Paper-II**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 06/02/2023**

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**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 |

*Aswath*

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*[Handwritten Signature]*

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Congress Nagar, Nagpur



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**SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR**  
**Department of Computer Science**  
**MCA –I Semester-I**  
**Session 2022-2023**  
**Unit Test- I**

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

**Date:14/12/2022**

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

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained marks</b>
1	Aachal P. Churhe	13
2	Aditya M. Bansule	15
3	Ankit W. Singade	14
4	Ankita S. Waghare	13
5	Ashwini P. Surkar	16
6	Bhagyashri D. Madhulkar	14
7	Chinmay H. Bhake	19
8	Divya S. Pawar	13
9	Iqra K. Sabri	17
10	Kalash R. Pawade	15
11	Ketan R. Mendhule	AB
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13	Mitali A. Bonde	16
14	Pavan N. Pandrangi	14
15	Payal M. Poaunikar	12
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20	Rajsi D. Kingri	18
21	Ritika S. Wankar	15
22	Rutuja M. Kalbande	16
23	Sagar R. Yedaskar	15
24	Sahil M.Asutkar	17
25	Simrankaur A. Bedi	AB
26	Sonal P. Ulabhaje	AB
27	SufiyanI.Kureshi	16
28	Swati V. Jamgade	18

29	Tanmay H. Bhake	AB
30	Tejas S. Thakare	16
31	Vedankita R. Mohod	14
32	Vidhi Y. Soneji	14
33	Vidhit V. Ganthale	18
34	Yashashree S. Landge	18
35	Yewati R. Kinkar	14



**Signature of the Teacher**



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**Shri Shivaji Education Society Amravati's  
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR  
Department of Computer Science  
MCA –I Semester-I  
Session 2022-2023  
Unit Test- II**

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

**Date: 03/03/2023**

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

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aachal P. Churhe	14
2	Aditya M. Bansule	16
3	Ankit W. Singade	18
4	Ankita S. Waghare	13
5	Ashwini P. Surkar	16
6	Bhagyashri D. Madhulkar	17
7	Chinmay H. Bhake	19
8	Divya S. Pawar	13
9	Iqra K. Sabri	17
10	Kalash R. Pawade	15
11	Ketan R. Mendhule	AB
12	MadhavKarkare	AB
13	Mitali A. Bonde	14
14	Pavan N. Pandrangi	13
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20	Rajsi D. Kingri	14
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33	Vidhit V. Ganthale	17
34	Yashashree S. Landge	18
35	Yewati R. Kinkar	14



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**Master in Computer Application (MCA) Semester-I Examination 2022**  
**Open Source Web Programming using PHP**  
**Unit Test -I**  
**Semester-I Paper-III**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 14/12/2022**

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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 |

*Asdehe*

**Signature of the Teacher**

*[Signature]*

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**Master in Computer Application (MCA) Semester-I Examination 2022**  
**Open Source Web Programming using PHP**  
**Unit Test -II**  
**Semester-I Paper-III**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 03/03/2023**

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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 |



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR  
Department of Computer Science  
MCA –I Semester-I  
Session 2022-2023  
Unit test-I**

**Name of Faculty: Ms. A. S. Chaudhari + Shri. A. A. Bodkhe    Date: 30/12/2022**  
**Subject: Advanced DBMS and Administration                      Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aachal P. Churhe	16
2	Aditya M. Bansule	15
3	Ankit W. Singade	14
4	Ankita S. Waghare	12
5	Ashwini P. Surkar	16
6	Bhagyashri D. Madhulkar	13
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18	Praful D. Khonke	AB
19	Punam O. Gotmare	20
20	Rajsi D. Kingri	20
21	Ritika S. Wankar	15
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23	Sagar R. Yedaskar	15
	Sahil M. Asutkar	

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25	Simrankaur A. Bedi	AB
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32	Vidhi Y. Soneji	15
33	Vidhit V. Ganthale	19
34	Yashashree S. Landge	18
35	Yewati R. Kinkar	15

*Abhaudhori*

**Signature of the Teacher**



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR  
Department of Computer Science  
MCA –I Semester-I  
Session 2022-2023  
Unit test-IV**

**Name of Faculty: Ms. A. S. Chaudhari + Shri. A. A. Bodkhe    Date: 16/02/2023**

**Subject: Advanced DBMS and Administration                      Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aachal P. Churhe	12
2	Aditya M. Bansule	15
3	Ankit W. Singade	18
4	Ankita S. Waghare	14
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29	Tanmay H. Bhake	18
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31	Vedankita R. Mohod	09
32	Vidhi Y. Soneji	12
33	Vidhit V. Ganthale	11
34	Yashashree S. Landge	18
35	Yewati R. Kinkar	19

*Asdehe*

**Signature of the Teacher**

*[Handwritten Signature]*

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Congress Nagar, Nagpur



**Master in Computer Application (MCA) Semester-I Examination 2022**  
**Advanced DBMS and Administration**  
**Unit Test -I**  
**Semester-I Paper-IV**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 30/12/2022**

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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 |



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**Master in Computer Application (MCA) Semester-I Examination 2022**  
**Advanced DBMS and Administration**  
**Unit Test -II**  
**Semester-I Paper-IV**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 16/02/2023**

---

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 |



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**SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR**  
**Department of Computer Science**  
**MCA –I Semester-I**  
**Session 2022-2023**  
**Unit Test- I**

**Name of Faculty: Ms.A.S.Choudhari**

**Date: 10/12/2022**

**Subject: Software Engineering**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aachal P. Churhe	12
2	Aditya M. Bansule	15
3	Ankit W. Singade	17
4	Ankita S. Waghare	13
5	Ashwini P. Surkar	13
6	Bhagyashri D. Madhulkar	15
7	Chinmay H. Bhake	14
8	Divya S. Pawar	17
9	Iqra K. Sabri	16
10	Kalash R. Pawade	15
11	Ketan R. Mendhule	18
12	MadhavKarkare	12
13	Mitali A. Bonde	16
14	Pavan N. Pandrangi	18
15	Payal M. Poaunikar	19
16	Pradhumn V. Charde	AB
17	Praful D. Khonke	14
18	Pranay S. Gatfane	16
19	Punam O. Gotmare	13
20	Rajsi D. Kingri	15
21	Ritika S. Wankar	18
22	Rutuja M. Kalbande	17
23	Sagar R. Yedaskar	14
24	Sahil M.Asutkar	20
25	Simrankaur A. Bedi	AB
26	Sonal P. Ulabhaje	AB
	SufiyanI.Kureshi	

27		12
28	Swati V. Jamgade	15
29	Tanmay H. Bhake	17
30	Tejas S. Thakare	13
31	Vedankita R. Mohod	09
32	Vidhi Y. Soneji	12
33	Vidhit V. Ganthale	12
34	Yashashree S. Landge	18
35	Yewati R. Kinkar	19

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**Head  
Department of the Computer Science**

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



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**SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR**  
**Department of Computer Science**  
**MCA –I Semester-I**  
**Session 2022-2023**  
**Unit Test- II**

**Name of Faculty: Ms.A.S.Choudhari**

**Date: 27/01/2023**

**Subject: Software Engineering**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aachal P. Churhe	14
2	Aditya M. Bansule	15
3	Ankit W. Singade	15
4	Ankita S. Waghare	14
5	Ashwini P. Surkar	14
6	Bhagyashri D. Madhulkar	15
7	Chinmay H. Bhake	13
8	Divya S. Pawar	18
9	Iqra K. Sabri	16
10	Kalash R. Pawade	15
11	Ketan R. Mendhule	18
12	MadhavKarkare	13
13	Mitali A. Bonde	16
14	Pavan N. Pandrangi	18
15	Payal M. Poaunikar	13
16	Pradhumn V. Charde	AB
17	Praful D. Khonke	14
18	Pranay S. Gafane	14
19	Punam O. Gotmare	13
20	Rajsi D. Kingri	14
21	Ritika S. Wankar	18
22	Rutuja M. Kalbande	13
23	Sagar R. Yedaskar	14
24	Sahil M.Asutkar	20
25	Simrankaur A. Bedi	AB
26	Sonal P. Ulabhaje	AB

27	SufiyanI.Kureshi	13
28	Swati V. Jamgade	16
29	Tanmay H. Bhake	14
30	Tejas S. Thakare	12
31	Vedankita R. Mohod	09
32	Vidhi Y. Soneji	12
33	Vidhit V. Ganthale	12
34	Yashashree S. Landge	17
35	Yewati R. Kinkar	18

*Ashwathori*

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



**Master in Computer Application (MCA) Semester-I Examination 2022**  
**Software Engineering**  
**Unit Test -I**  
**Semester-I Paper-V**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 10/12/2022**

---

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 |

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

**Time: 1 Hrs.**

**Marks: 20**

**Date: 27/01/2023**

---

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 |

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**Shri Shivaji Education Society Amravati's**  
**SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR**  
**Department of Computer Science**  
**MCA –II Semester-III**  
**Session 2022-2023**  
**Unit Test- I**

**Name of Faculty: Shri.A.A.Bodkhe + Ms.A.S.Choudhari**

**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	Aditya Akolkar	12
2	Ashwini Paradkar	13
3	Bhushan Zalke	14
4	Darshan Khirekar	18
5	Divya D.Datke	19
6	Divya Nakshane	AB
7	Gayatri Manoj Bukkawar	16
8	Kantamyee Wadibhasme	15
9	Mayuresh Jayant Tiwalkar	13
10	Mayuri D Giradkar	12
11	Megha Dilip Mendhe	AB
12	Mrunali C. Gajbhiye	14
13	Neha Kalaskar	15
14	Nikita jagdish bankhede	17
15	Nishant S. Tapre	10
16	Padmakshi Parwe	11
17	Pallavi Kilnake	13
18	Pooja Tale	14
19	Prajwal Gaikwad	15
20	Pravin Burde	18
21	Prerna Ingale	19
22	Rashi S. Wasnik	18
23	Rohit Shukla	19
24	Rohit Soge	14
25	Rupa khatri	12
26	Rushikesh kailasrao Ghurde	13
27	Samiksha N. Kalode	14
28	Shital J. Ghante	18
29	Shubham shekhar salve	19
30	Swati Choudhari	AB
31	Usha Choudhary	16
32	Uttam R. Awarashe	15

33	Vaibhavi Kale	13
34	Vivek khokre	12
35	Yash Patil	AB

*Azdehe*

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR  
Department of Computer Science  
MCA –II Semester-III  
Session 2022-2023  
Unit Test- II**

**Name of Faculty: Shri.A.A.Bodkhe + Ms.A.S.Choudhari**

**Date: 26/11/2022**

**Subject: Big Data Analytics**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aditya Akolkar	12
2	Ashwini Paradkar	13
3	Bhushan Zalke	14
4	Darshan Khirekar	18
5	Divya D.Datke	19
6	Divya Nakshane	AB
7	Gayatri Manoj Bukkawar	16
8	Kantamyee Wadibhasme	15
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23	Rohit Shukla	19
24	Rohit Soge	14
25	Rupa khatri	12
26	Rushikesh kailasrao Ghurde	13
27	Samiksha N. Kalode	14
28	Shital J. Ghante	18
29	Shubham shekhar salve	19
30	Swati Choudhari	AB
31	Usha Choudhary	16

32	Uttam R. Awarashe	15
33	Vaibhavi Kale	13
34	Vivek khokre	12
35	Yash Patil	AB



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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 |



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**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 |

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**Shri Shivaji Education Society Amravati's  
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR  
Department of Computer Science  
MCA –II Semester-III  
Session 2022-2023  
Unit test-I**

**Name of Faculty: Ms.A.S.Choudhari+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	Aditya Akolkar	12
2	Ashwini Paradkar	13
3	Bhushan Zalke	14
4	Darshan Khirekar	18
5	Divya D.Datke	19
6	Divya Nakshane	AB
7	Gayatri Manoj Bukkawar	16
8	Kantamyee Wadibhasme	15
9	Mayuresh Jayant Tiwalkar	13
10	Mayuri D Giradkar	12
11	Megha Dilip Mendhe	AB
12	Mrunali C. Gajbhiye	14
13	Neha Kalaskar	15
14	Nikita jagdish bankhede	17
15	Nishant S. Tapre	10
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17	Pallavi Kilnake	13
18	Pooja Tale	14
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20	Pravin Burde	18
21	Prerna Ingale	19
22	Rashi S. Wasnik	18
23	Rohit Shukla	19
24	Rohit Soge	14
25	Rupa khatri	12
26	Rushikesh kailasrao Ghurde	13
27	Samiksha N. Kalode	14
28	Shital J. Ghante	18
29	Shubham shekhar salve	19
30	Swati Choudhari	AB

31	Usha Choudhary	16
32	Uttam R. Awarashe	15
33	Vaibhavi Kale	13
34	Vivek khokre	12
35	Yash Patil	AB

*AShalkh*

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



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**SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR**  
**Department of Computer Science**  
**MCA –II Semester-III**  
**Session 2022-2023**  
**Unit test-II**

**Name of Faculty: Ms.A.S.Choudhari+Ms.Asfiya Sheikh      Date: 02/12/2022**  
**Subject: Data mining      Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aditya Akolkar	12
2	Ashwini Paradkar	13
3	Bhushan Zalke	14
4	Darshan Khirekar	18
5	Divya D.Datke	19
6	Divya Nakshane	AB
7	Gayatri Manoj Bukkawar	16
8	Kantamyee Wadibhasme	15
9	Mayuresh Jayant Tiwalkar	13
10	Mayuri D Giradkar	12
11	Megha Dilip Mendhe	AB
12	Mrunali C. Gajbhiye	14
13	Neha Kalaskar	15
14	Nikita jagdish bankhede	17
15	Nishant S. Tapre	10
16	Padmakshi Parwe	11
17	Pallavi Kilnake	13
18	Pooja Tale	14
19	Prajwal Gaikwad	15
20	Pravin Burde	18
21	Prerna Ingale	19
22	Rashi S. Wasnik	18
23	Rohit Shukla	19
24	Rohit Soge	14
25	Rupa khatri	12
26	Rushikesh kailasrao Ghurde	13
27	Samiksha N. Kalode	14
28	Shital J. Ghante	18
29	Shubham shekhar salve	19

30	Swati Choudhari	AB
31	Usha Choudhary	16
32	Uttam R. Awarashe	15
33	Vaibhavi Kale	13
34	Vivek khokre	12
35	Yash Patil	AB

*Abhaudhari*

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S.S.E.S. Ami's Science College,  
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**Master in Computer Application (MCA) Semester-II Examination 2023**  
**Data Mining**  
**Unit Test -I**  
**Semester-III Paper-II**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 01/10/2022**

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

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

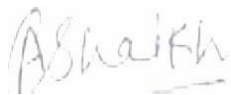
**Marks: 16**

- |  |   |
|--|---|
| 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**



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**Master in Computer Application (MCA) Semester-II Examination 2023**  
**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 |

*Abhaudhori*

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*[Signature]*

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**Shri Shivaji Education Society Amravati's  
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR  
Department of Computer Science  
MCA –II Semester-III  
Session 2022-2023  
Unit Test- I**

Name of Faculty: Shri.A.A.Bodkhe

Date:11/10/2022

Subject: Python Programming

Maximum Marks: 20

Sr.No	Name of Student	Obtained Marks
1	Aditya Akolkar	12
2	Ashwini Paradkar	13
3	Bhushan Zalke	14
4	Darshan Khirekar	18
5	Divya D.Datke	19
6	Divya Nakshane	AB
7	Gayatri Manoj Bukkawar	16
8	Kantamyee Wadibhasme	15
9	Mayuresh Jayant Tiwalkar	13
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24	Rohit Soge	14
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32	Uttam R. Awarashe	15

33	Vaibhavi Kale	13
34	Vivek khokre	12
35	Yash Patil	AB



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**SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR**  
**Department of Computer Science**  
**MCA –II Semester-III**  
**Session 2022-2023**  
**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	Aditya Akolkar	12
2	Ashwini Paradkar	13
3	Bhushan Zalke	14
4	Darshan Khirekar	18
5	Divya D.Datke	19
6	Divya Nakshane	AB
7	Gayatri Manoj Bukkawar	16
8	Kantamyee Wadibhasme	15
9	Mayuresh Jayant Tiwalkar	13
10	Mayuri D Giradkar	12
11	Megha Dilip Mendhe	AB
12	Mrunali C. Gajbhiye	14
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14	Nikita jagdish bankhede	17
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17	Pallavi Kilnake	13
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20	Pravin Burde	18
21	Prerna Ingale	19
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24	Rohit Soge	14
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26	Rushikesh kailasrao Ghurde	13
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33	Vaibhavi Kale	13
34	Vivek khokre	12
35	Yash Patil	AB



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**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 |



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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**

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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





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**SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR**  
**Department of Computer Science**  
**MCA –II Semester-III**  
**Session 2022-2023**  
**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	Aditya Akolkar	12
2	Ashwini Paradkar	13
3	Bhushan Zalke	14
4	Darshan Khirekar	18
5	Divya D.Datke	19
6	Divya Nakshane	AB
7	Gayatri Manoj Bukkawar	16
8	Kantamyee Wadibhasme	15
9	Mayuresh Jayant Tiwalkar	13
10	Mayuri D Giradkar	12
11	Megha Dilip Mendhe	AB
12	Mrunali C. Gajbhiye	14
13	Neha Kalaskar	15
14	Nikita jagdish bankhede	17
15	Nishant S. Tapre	10
16	Padmakshi Parwe	11
17	Pallavi Kilnake	13
18	Pooja Tale	14
19	Prajwal Gaikwad	15
20	Pravin Burde	18
21	Prerna Ingale	19
22	Rashi S. Wasnik	18
23	Rohit Shukla	19
24	Rohit Soge	14
25	Rupa khatri	12
26	Rushikesh kailasrao Ghurde	13
27	Samiksha N. Kalode	14
28	Shital J. Ghante	18
29	Shubham shekhar salve	19
30	Swati Choudhari	AB
31	Usha Choudhary	16

32	Uttam R. Awarashe	15
33	Vaibhavi Kale	13
34	Vivek khokre	12
35	Yash Patil	AB

*Aswath*

**Signature of the Teacher**

*[Handwritten Signature]*

**Head**

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Department of Computer Science  
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Congress Nagar, Nagpur



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**Department of Computer Science**  
**MCA –II Semester-III**  
**Session 2022-2023**  
**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	Aditya Akolkar	12
2	Ashwini Paradkar	13
3	Bhushan Zalke	14
4	Darshan Khirekar	18
5	Divya D.Datke	19
6	Divya Nakshane	AB
7	Gayatri Manoj Bukkawar	16
8	Kantamyee Wadibhasme	15
9	Mayuresh Jayant Tiwalkar	13
10	Mayuri D Giradkar	12
11	Megha Dilip Mendhe	AB
12	Mrunali C. Gajbhiye	14
13	Neha Kalaskar	15
14	Nikita jagdish bankhede	17
15	Nishant S. Tapre	10
16	Padmakshi Parwe	11
17	Pallavi Kilnake	13
18	Pooja Tale	14
19	Prajwal Gaikwad	15
20	Pravin Burde	18
21	Prerna Ingale	19
22	Rashi S. Wasnik	18
23	Rohit Shukla	19
24	Rohit Soge	14
25	Rupa khatri	12
26	Rushikesh kailasrao Ghurde	13
27	Samiksha N. Kalode	14
28	Shital J. Ghante	18
29	Shubham shekhar salve	19
30	Swati Choudhari	AB

31	Usha Choudhary	16
32	Uttam R. Awarashe	15
33	Vaibhavi Kale	13
34	Vivek khokre	12
35	Yash Patil	AB

*Aswath*

**Signature of the Teacher**

*[Handwritten Signature]*

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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*

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*[Signature]*

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**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*

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*[Signature]*

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**Shri Shivaji Education Society Amravati's  
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR  
Department of Computer Science  
MCA –II Semester-III  
Session 2022-2023  
Unit test-I**

**Name of Faculty: Ms.Ankita S.Chaudhari  
Subject: Soft Computing**

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

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aditya Akolkar	12
2	Ashwini Paradkar	13
3	Bhushan Zalke	14
4	Darshan Khirekar	18
5	Divya D.Datke	19
6	Divya Nakshane	AB
7	Gayatri Manoj Bukkawar	16
8	Kantamyee Wadibhasme	15
9	Mayuresh Jayant Tiwalkar	13
10	Mayuri D Giradkar	12
11	Megha Dilip Mendhe	AB
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13	Neha Kalaskar	15
14	Nikita jagdish bankhede	17
15	Nishant S. Tapre	10
16	Padmakshi Parwe	11
17	Pallavi Kilnake	13
18	Pooja Tale	14
19	Prajwal Gaikwad	15
20	Pravin Burde	18
21	Prerna Ingale	19
22	Rashi S. Wasnik	18
23	Rohit Shukla	19
24	Rohit Soge	14
25	Rupa khatri	12
26	Rushikesh kailasrao Ghurde	13
27	Samiksha N. Kalode	14
28	Shital J. Ghante	18
29	Shubham shekhar salve	19
30	Swati Choudhari	AB
31	Usha Choudhary	16

32	Uttam R. Awarashe	15
33	Vaibhavi Kale	13
34	Vivek khokre	12
35	Yash Patil	AB

*Ashaudhori*

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**Department of Computer Science**

**MCA –II Semester-III**

**Session 2022-2023**

**Unit test-II**

**Name of Faculty: Ms.Ankita S.Chaudhari**

**Date:07/12/2022**

**Subject: Soft Computing**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aditya Akolkar	12
2	Ashwini Paradkar	13
3	Bhushan Zalke	14
4	Darshan Khirekar	18
5	Divya D.Datke	19
6	Divya Nakshane	AB
7	Gayatri Manoj Bukkawar	16
8	Kantamyee Wadibhasme	15
9	Mayuresh Jayant Tiwalkar	13
10	Mayuri D Giradkar	12
11	Megha Dilip Mendhe	AB
12	Mrunali C. Gajbhiye	14
13	Neha Kalaskar	15
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15	Nishant S. Tapre	10
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18	Pooja Tale	14
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20	Pravin Burde	18
21	Prerna Ingale	19
22	Rashi S. Wasnik	18
23	Rohit Shukla	19
24	Rohit Soge	14
25	Rupa khatri	12
26	Rushikesh kailasrao Ghurde	13
27	Samiksha N. Kalode	14
28	Shital J. Ghante	18
29	Shubham shekhar salve	19
30	Swati Choudhari	AB

31	Usha Choudhary	16
32	Uttam R. Awarashe	15
33	Vaibhavi Kale	13
34	Vivek khokre	12
35	Yash Patil	AB

*Usha Choudhary*

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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**

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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

*Abhaudhori*

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**Shri Shivaji Education Society Amravati's**  
**SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR**  
**Department of Computer Science**  
**MCA –I Semester-II**  
**Session 2022-2023**  
**Unit Test- I**

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

**Date: 13/04/2023**

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

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aachal P. Churhe	15
2	Aditya M. Bansule	11
3	Ankit W. Singade	12
4	Ankita S. Waghare	13
5	Ashwini P. Surkar	15
6	Bhagyashri D. Madhulkar	14
7	Chinmay H. Bhake	16
8	Divya S. Pawar	13
9	Iqra K. Sabri	12
10	Kalash R. Pawade	AB
11	Ketan R. Mendhule	11
12	MadhavKarkare	AB
13	Mitali A. Bonde	11
14	Pavan N. Pandrangi	13
15	Payal M. Poaunikar	12
16	Pradhumn V. Charde	14
17	Praful D. Khonke	AB
18	Pranay S. Gatfane	14
19	Punam O. Gotmare	12
20	Rajsi D. Kingri	AB
21	Ritika S. Wankar	12
22	Rutuja M. Kalbande	14
23	Sagar R. Yedaskar	15
24	Sahil M.Asutkar	18
25	Simrankaur A. Bedi	12
26	Sonal P. Ulabhaje	AB
27	SufiyanI.Kureshi	14

28	Swati V. Jamgade	15
29	Tanmay H. Bhake	14
30	Tejas S. Thakare	12
31	Vedankita R. Mohod	13
32	Vidhi Y. Soneji	14
33	Vidhit V. Ganthale	15
34	Yashashree S. Landge	18
35	Yewati R. Kinkar	15

*Asdehe*

**Signature of the Teacher**

*[Handwritten Signature]*

**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  
MCA –I Semester-II  
Session 2022-2023  
Unit Test- II**

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

**Date: 18/05/2023**

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

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained marks</b>
1	Aachal P. Churhe	<b>10</b>
2	Aditya M. Bansule	<b>12</b>
3	Ankit W. Singade	<b>15</b>
4	Ankita S. Waghare	<b>14</b>
5	Ashwini P. Surkar	<b>11</b>
6	Bhagyashri D. Madhulkar	<b>AB</b>
7	Chinmay H. Bhake	<b>16</b>
8	Divya S. Pawar	<b>12</b>
9	Iqra K. Sabri	<b>11</b>
10	Kalash R. Pawade	<b>10</b>
11	Ketan R. Mendhule	<b>07</b>
12	MadhavKarkare	<b>10</b>
13	Mitali A. Bonde	<b>11</b>
14	Pavan N. Pandrangi	<b>AB</b>
15	Payal M. Poaunekar	<b>AB</b>
16	Pradhumn V. Charde	<b>12</b>
17	Praful D. Khonke	<b>13</b>
18	Pranay S. Gafane	<b>14</b>
19	Punam O. Gotmare	<b>15</b>
20	Rajsi D. Kingri	<b>17</b>
21	Ritika S. Wankar	<b>15</b>
22	Rutuja M. Kalbande	<b>16</b>
23	Sagar R. Yedaskar	<b>10</b>
24	Sahil M.Asutkar	<b>11</b>
	Simrankaur A. Bedi	

25		<b>14</b>
26	Sonal P. Ulabhaje	<b>15</b>
27	SufiyanI.Kureshi	<b>16</b>
28	Swati V. Jamgade	<b>10</b>
29	Tanmay H. Bhake	<b>11</b>
30	Tejas S. Thakare	<b>12</b>
31	Vedankita R. Mohod	<b>12</b>
32	Vidhi Y. Soneji	<b>10</b>
33	Vidhit V. Ganthale	<b>15</b>
34	Yashashree S. Landge	<b>14</b>
35	Yewati R. Kinkar	<b>11</b>

*Asdehe*

**Signature of the Teacher**

*[Handwritten Signature]*

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Congress Nagar, Nagour





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

**Time: 1 Hrs.**

**Marks: 20**

**Date: 13/04/2023**

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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**



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

**Time: 1 Hrs.**

**Marks: 20**

**Date: 18/05/2023**

---

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 |



**Signature of the Teacher**



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**SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR**  
**Department of Computer Science**  
**MCA –I Semester-II**  
**Session 2022-2023**  
**Unit test-I**

**Name of Faculty: Ms. A.S. Choudhari+Ms. Asfiya Sheikh Date: 24/04/2023**

**Subject: Cloud Computing**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aachal P. Churhe	15
2	Aditya M. Bansule	AB
3	Ankit W. Singade	AB
4	Ankita S. Waghare	16
5	Ashwini P. Surkar	15
6	Bhagyashri D. Madhulkar	17
7	Chinmay H. Bhake	20
8	Divya S. Pawar	19
9	Iqra K. Sabri	14
10	Kalash R. Pawade	18
11	Ketan R. Mendhule	19
12	Madhav Karkare	AB
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15	Payal M. Poaunikar	13
16	Pradhumn V. Charde	15
17	Pranay S. Gatfane	18
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23	Sagar R. Yedaskar	12
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29	Tanmay H. Bhake	12
30	Tejas S. Thakare	12
31	Vedankita R. Mohod	15
32	Vidhi Y. Soneji	14
33	Vidhit V. Ganthale	AB
34	Yashashree S. Landge	19
35	Yewati R. Kinkar	14

*Ashaudhori*

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR  
Department of Computer Science  
MCA –I Semester-II  
Session 2022-2023  
Unit test-II**

**Name of Faculty:** Ms. A.S.Choudhari+Ms. Asfiya Sheikh **Date:** 27/05/2023

**Subject:** Cloud Computing

**Maximum Marks:** 20

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aachal P. Churhe	12
2	Aditya M. Bansule	18
3	Ankit W. Singade	19
4	Ankita S. Waghare	15
5	Ashwini P. Surkar	13
6	Bhagyashri D. Madhulkar	12
7	Chinmay H. Bhake	20
8	Divya S. Pawar	18
9	Iqra K. Sabri	15
10	Kalash R. Pawade	AB
11	Ketan R. Mendhule	15
12	Madhav Karkare	18
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15	Payal M. Poaunikar	12
16	Pradhumn V. Charde	11
17	Pranay S. Gatfane	15
18	Praful D. Khonke	AB
19	Punam O. Gotmare	14
20	Rajsi D. Kingri	19
21	Ritika S. Wankar	AB
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30	Tejas S. Thakare	19
31	Vedankita R. Mohod	16
32	Vidhi Y. Soneji	13
33	Vidhit V. Ganthale	10
34	Yashashree S. Landge	18
35	Yewati R. Kinkar	16

*AShaikh*

**Signature of the Teacher**

*[Handwritten Signature]*

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

**Time: 1 Hrs.**

**Marks: 20**

**Date: 24/04/2023**

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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

*Ashwathori*

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**Master in Computer Application (MCA) Semester-II Examination 2023**  
**Cloud Computing**  
**Unit Test -II**  
**Semester-II Paper-II**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 27/05/2023**

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

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

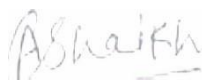
**Marks: 16**

- |  |   |
|--|---|
| 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**

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Congress Nagar, Nagpur





**Shri Shivaji Education Society Amravati's**  
**SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR**  
**Department of Computer Science**  
**MCA –I Semester-II**  
**Session 2022-2023**  
**Unit test-I**

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

**Date: 20/04/2023**  
**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1	Aachal P. Churhe	12
2	Aditya M. Bansule	10
3	Ankit W. Singade	11
4	Ankita S. Waghare	13
5	Ashwini P. Surkar	14
6	Bhagyashri D. Madhulkar	12
7	Chinmay H. Bhake	11
8	Divya S. Pawar	19
9	Iqra K. Sabri	15
10	Kalash R. Pawade	AB
11	Ketan R. Mendhule	12
12	Madhav Karkare	18
13	Mitali A. Bonde	18
14	Pavan N. Pandrangi	15
15	Payal M. Poaunikar	12
16	Pradhumn V. Charde	11
17	Pranay S. Gafane	14
18	Praful D. Khonke	AB
19	Punam O. Gotmare	13
20	Rajsi D. Kingri	19
21	Ritika S. Wankar	AB
22	Rutuja M. Kalbande	10
23	Sagar R. Yedaskar	12
24	Sahil M.Asutkar	18
25	Simrankaur A. Bedi	11
26	Sonal P. Ulabhaje	13
27	SufiyanI.Kureshi	17
28	Swati V. Jamgade	

		17
29	Tanmay H. Bhake	15
30	Tejas S. Thakare	16
31	Vedankita R. Mohod	14
32	Vidhi Y. Soneji	13
33	Vidhit V. Ganthale	11
34	Yashashree S. Landge	13
35	Yewati R. Kinkar	16

*Ashaikh*

**Signature of the Teacher**

*[Handwritten Signature]*

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Congress Nagar, Nagpur



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR  
Department of Computer Science  
MCA –I Semester-II  
Session 2022-2023  
Unit test-II**

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

**Date: 24/05/2023**

**Subject: Computer Graphics**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Students</b>	<b>Obtained Marks</b>
1	Aachal P. Churhe	10
2	Aditya M. Bansule	11
3	Ankit W. Singade	18
4	Ankita S. Waghare	14
5	Ashwini P. Surkar	14
6	Bhagyashri D. Madhulkar	13
7	Chinmay H. Bhake	15
8	Divya S. Pawar	17
9	Iqra K. Sabri	15
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14	Pavan N. Pandrangi	14
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21	Ritika S. Wankar	AB
22	Rutuja M. Kalbande	10
23	Sagar R. Yedaskar	14
24	Sahil M.Asutkar	17
25	Simrankaur A. Bedi	15
26	Sonal P. Ulabhaje	14
27	SufiyanI.Kureshi	18
28	Swati V. Jamgade	

		17
29	Tanmay H. Bhake	15
30	Tejas S. Thakare	14
31	Vedankita R. Mohod	15
32	Vidhi Y. Soneji	14
33	Vidhit V. Ganthale	15
34	Yashashree S. Landge	17
35	Yewati R. Kinkar	14

*Aswathi*

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Congress Nagar, Nagpur



**Master in Computer Application (MCA) Semester-II Examination 2023**

**Computer Graphics**

**Unit Test -I**

**Semester-II Paper-III**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 20/04/2023**

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

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

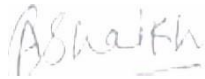
**Marks: 16**

- |   |   |
|---|---|
| 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 |



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**Master in Computer Application (MCA) Semester-II Examination 2023**

**Computer Graphics**

**Unit Test -II**

**Semester-II Paper-III**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 24/05/2023**

---

**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*

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*[Signature]*

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR  
Department of Computer Science  
MCA –I Semester-II  
Session 2022-2023  
Unit Test- I**

**Name of Faculty: Shri.A.A.Bodkhe + Ms.A.S.Choudhari  
Subject: Computer Architecture and Organization**

**Date: 17/04/2023  
Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aachal P. Churhe	10
2	Aditya M. Bansule	12
3	Ankit W. Singade	13
4	Ankita S. Waghare	14
5	Ashwini P. Surkar	15
6	Bhagyashri D. Madhulkar	14
7	Chinmay H. Bhake	15
8	Divya S. Pawar	16
9	Iqra K. Sabri	12
10	Kalash R. Pawade	AB
11	Ketan R. Mendhule	10
12	MadhavKarkare	11
13	Mitali A. Bonde	12
14	Pavan N. Pandrangi	14
15	Payal M. Poaunikar	15
16	Pradhumn V. Charde	AB
17	Praful D. Khonke	AB
18	Pranay S. Gatfane	14
19	Punam O. Gotmare	12
20	Rajsi D. Kingri	12
21	Ritika S. Wankar	11
22	Rutuja M. Kalbande	10
23	Sagar R. Yedaskar	AB
24	Sahil M.Asutkar	14
25	Simrankaur A. Bedi	12
26	Sonal P. Ulabhaje	12
27	SufiyanI.Kureshi	11

28	Swati V. Jangade	10
29	Tanmay H. Bhake	11
30	Tejas S. Thakare	12
31	Vedankita R. Mohod	13
32	Vidhi Y. Soneji	14
33	Vidhit V. Ganthale	15
34	Yashashree S. Landge	14
35	Yewati R. Kinkar	12

*Asdehe*

**Signature of the Teacher**

*[Handwritten Signature]*

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**SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR**  
**Department of Computer Science**  
**MCA –I Semester-II**  
**Session 2022-2023**  
**Unit Test- II**

**Name of Faculty: Shri.A.A.Bodkhe + Ms.A.S.Choudhari**  
**Subject: Computer Architecture and Organization**

**Date: 20/05/2023**  
**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aachal P. Churhe	10
2	Aditya M. Bansule	11
3	Ankit W. Singade	11
4	Ankita S. Waghare	11
5	Ashwini P. Surkar	15
6	Bhagyashri D. Madhulkar	12
7	Chinmay H. Bhake	11
8	Divya S. Pawar	13
9	Iqra K. Sabri	12
10	Kalash R. Pawade	AB
11	Ketan R. Mendhule	10
12	MadhavKarkare	10
13	Mitali A. Bonde	12
14	Pavan N. Pandrangi	14
15	Payal M. Poaunikar	14
16	Pradhumn V. Charde	AB
17	Praful D. Khonke	AB
18	Pranay S. Gatfane	14
19	Punam O. Gotmare	13
20	Rajsi D. Kingri	12
21	Ritika S. Wankar	10
22	Rutuja M. Kalbande	10
23	Sagar R. Yedaskar	AB
24	Sahil M.Asutkar	14
25	Simrankaur A. Bedi	15

26	Sonal P. Ulabhaje	18
27	SufiyanI.Kureshi	12
28	Swati V. Jamgade	11
29	Tanmay H. Bhake	12
30	Tejas S. Thakare	12
31	Vedankita R. Mohod	13
32	Vidhi Y. Soneji	14
33	Vidhit V. Ganthale	13
34	Yashashree S. Landge	14
35	Yewati R. Kinkar	14

*Ashtachari*

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**Master in Computer Application (MCA) Semester-II Examination 2023**  
**Computer Architecture and Organization**  
**Unit Test -I**  
**Semester-II Paper-IV**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 17/04/2023**

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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 |

*Asdehe*

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*[Signature]*

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Congress Nagar, Nagpur



**Master in Computer Application (MCA) Semester-II Examination 2023**  
**Computer Architecture and Organization**  
**Unit Test -II**  
**Semester-II Paper-IV**

**Time: 1 Hrs.**

**Marks: 20**

**Date: 20/05/2023**

---

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 |

*Bhaudhosi*

**Signature of the Teacher**

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**Department of the Computer Science**

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Congress Nagar, Nagpur



**Shri Shivaji Education Society Amravati's  
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR  
Department of Computer Science  
MCA –I Semester-II  
Session 2022-2023  
Unit test-I**

**Name of Faculty: Ms. Ankita S.Chaudhari**

**Date: 29/04/2023**

**Subject: Android Programming**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aachal P. Churhe	19
2	Aditya M. Bansule	18
3	Ankit W. Singade	14
4	Ankita S. Waghare	16
5	Ashwini P. Surkar	15
6	Bhagyashri D. Madhulkar	18
7	Chinmay H. Bhake	17
8	Divya S. Pawar	AB
9	Iqra K. Sabri	16
10	Kalash R. Pawade	18
11	Ketan R. Mendhule	14
12	Madhav Karkare	11
13	Mitali A. Bonde	12
14	Pavan N. Pandrangi	15
15	Payal M. Poaunikar	18
16	Pradhumn V. Charde	14
17	Pranay S. Gاتفane	17
18	Praful D. Khonke	AB
19	Punam O. Gotmare	15
20	Rajsi D. Kingri	16
21	Ritika S. Wankar	15
22	Rutuja M. Kalbande	AB
23	Sagar R. Yedaskar	13
24	Sahil M.Asutkar	14
25	Simrankaur A. Bedi	11
26	Sonal P. Ulabhaje	08

27	SufiyanI.Kureshi	AB
28	Swati V. Jamgade	19
29	Tanmay H. Bhake	20
30	Tejas S. Thakare	12
31	Vedankita R. Mohod	15
32	Vidhi Y. Soneji	16
33	Vidhit V. Ganthale	10
34	Yashashree S. Landge	18
35	Yewati R. Kinkar	15

*Ashaudhori*

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Congress Nagar, Nagpur



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR  
Department of Computer Science  
MCA –I Semester-II  
Session 2022-2023  
Unit test-II**

**Name of Faculty: Ms. Ankita S. Chaudhari**

**Date:29/05/2023**

**Subject: Android Programming**

**Maximum Marks: 20**

<b>Sr.No</b>	<b>Name of Student</b>	<b>Obtained Marks</b>
1	Aachal P. Churhe	17
2	Aditya M. Bansule	15
3	Ankit W. Singade	19
4	Ankita S. Waghare	18
5	Ashwini P. Surkar	14
6	Bhagyashri D. Madhulkar	15
7	Chinmay H. Bhake	16
8	Divya S. Pawar	12
9	Iqra K. Sabri	18
10	Kalash R. Pawade	15
11	Ketan R. Mendhule	17
12	Madhav Karkare	16
13	Mitali A. Bonde	15
14	Pavan N. Pandrangi	12
15	Payal M. Poanikar	14
16	Pradhumn V. Charde	15
17	Pranay S. Gاتفane	09
18	Praful D. Khonke	AB
19	Punam O. Gotmare	19
20	Rajsi D. Kingri	15
21	Ritika S. Wankar	16
22	Rutuja M. Kalbande	18
23	Sagar R. Yedaskar	17
24	Sahil M.Asutkar	14
25	Simrankaur A. Bedi	19

26	Sonal P. Ulabhaje	15
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28	Swati V. Jamgade	11
29	Tanmay H. Bhake	12
30	Tejas S. Thakare	15
31	Vedankita R. Mohod	09
32	Vidhi Y. Soneji	15
33	Vidhit V. Ganthale	09
34	Yashashree S. Landge	19
35	Yewati R. Kinkar	18

*Abhaudhori*

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**Department of the Computer Science**

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





**Master in Computer Application (MCA) Semester-II Examination 2023**

**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 |



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**Master in Computer Application (MCA) Semester-II Examination 2023**  
**Android Programming**  
**Unit Test -II**  
**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 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 |

*Abhaudhori*

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*[Signature]*

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