

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

**Academic Session 2022-2023**

**Bachelor of Science (B. Sc.) (Semester-II)**

**COMPUTER SCIENCE Paper- I –OOP using C++**

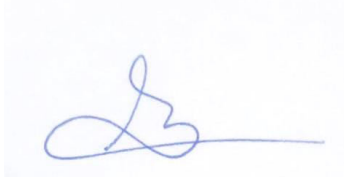
**UNIT TEST on Unit I and II**

Time: 45 min.]

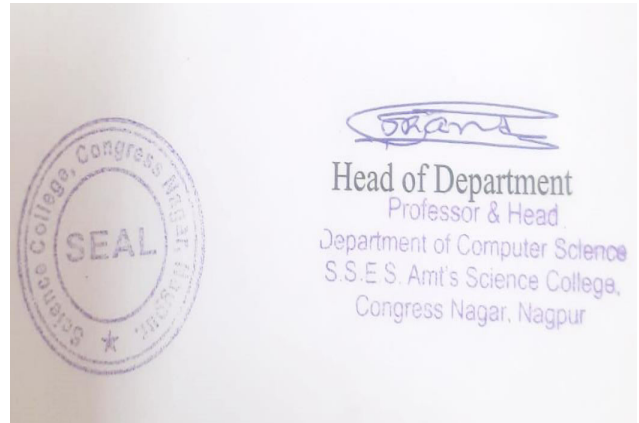
[Maximum Marks: 20

N.B. :- (1) Solve all the questions.

1. How are data member and member function organized in an object oriented program ?  
Explain with example. (5)  
Or
2. Write a program to create a class student. Data members are roll no., name m1, m2 and m3. Write member function to compute total and percentage. (5)
3. What are inline functions ? Explain with example outside member functions as inline. (5)  
Or
4. What is class and object in OOP's ? Explain. (5)
5. What are Constructors and Destructors ?  
Explain it with suitable example. (5)  
Or
6. What is Inline function? Explain with suitable example. (5)
7. What is Overloading ? State different rules for operator overloading. (5)  
Or
8. Write short note on copy constructor. Explain it with suitable example. (5)



Signature of Teacher



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**Bachelor of Science (B. Sc.) (Semester-II)**

**COMPUTER SCIENCE Paper-I- OOP using C++**

**UNIT TEST MARKS OUT OF 20**

Name of Teacher: Dr. R. N. Jugele


Date: 17/3/2023

S.N.	Name of Students	Group	Paper I Test I
1	Akansha A. Lokhande	SCSM	19
2	Akshita P. Mohdikar	SCSM	15
3	AmrutaV Gawande	SCSM	A
4	Anuja J Nagrikar	SCSM	13
5	Anushka V Mall	ECSM	11
6	Anushka V Kuite	SCSM	18
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22	Kamal B Pandey	SCSM	11
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63	Sonu Chanode	PCSM	13
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69	Vanshika Parate	PCSM	15
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105	Ujjwal Mnrkar	ECSM	A
106	Vaibhav Sryavanshi	PCSM	20
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108	Vedant Mankar	ECSM	15
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112	Yash Bhotmange	PCSM	18

113	Yash Gajbhiye	SCSM	20
114	Yash Khode	SCSM	12
115	Yaswardhan Tupid	PCSM	17



**Signature of Teacher**



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

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

**Academic Session 2022-2023**

**Bachelor of Science (B. Sc.) (Semester-II)**

**COMPUTER SCIENCE Paper-I UNIT TEST on Unit III and IV**

Time: 45 min.]

[Maximum Marks: 20

N.B. :- (1) Solve all the questions.

1. What is Dynamic Object ? Explain new and delete operators. (5)

Or

2. Explain abstract class with suitable example.

3. What is Inheritance ? Explain multiple inheritance with suitable example. (5)

Or

4. What is array of object ? Write a program to demonstrate array of object.

5. Write difference between Virtual and pure virtual function. (5)


Or

6. Explain in detail fault tolerant design techniques.


7. What is Exception ? Write a program to handle uncaught exception. (5)

Or

8. Write a program in C++ to create a class emp and member functions addemp( ) and displayemp( ). Further extend your program to display only those employees whose salary is greater than 25000.



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

**Academic Session 2022-2023**

**Bachelor of Science (B. Sc.) (Semester-II)**

**COMPUTER SCIENCE Paper-I- OOP using C++**

**UNIT TEST MARKS OUT OF 20**

Name of Teacher: Dr. R. N. Jugele

Date: 11/04/2023


S.N.	Name of Students	Group	Paper I Test 2
1	Akansha A. Lokhande	SCSM	14
2	Akshita P. Mohdikar	SCSM	17
3	AmrutaV Gawande	SCSM	15
4	Anuja J Nagrikar	SCSM	A
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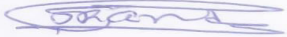
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115	Yaswardhan Tupid	PCSM	14



**Signature of Teacher**



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

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

**Academic Session 2022-2023**

**Bachelor of Science (B. Sc.) (Semester-II)**

**COMPUTER SCIENCE Paper-II- System Analysis and Design**

**UNIT TEST on Unit I and II**

Time: 45 min.]

[Maximum Marks: 20

N.B. :- (1) Solve all the questions.

1. What are different components of a computerized system ? Discuss each component. (5)

Or

2. List various Data collection techniques. State guidelines to design questionnaire.

3. Explain the following fact finding techniques : (5)

(i) Brain storming

(ii) Observation

Or

4. Write short notes on : (5)

(i) Economic Feasibility

(ii) Organizational feasibility

5. Explain Decision Table with suitable example. (5)

Or

6. Write short note on Data Dictionary. (5)

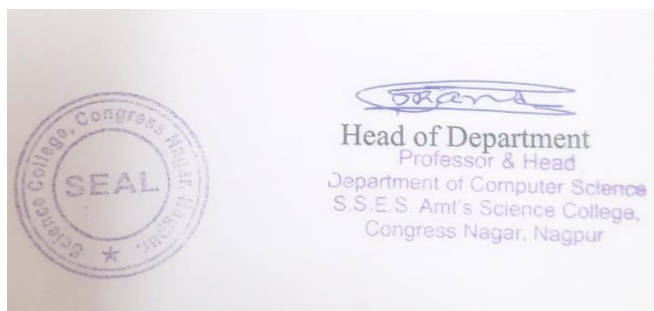
7. Explain principles of code design. Write principles of output design. (5)

Or

8. Draw symbols used in Data Flow Diagram (DFD) and give their purpose. Give one example. (5)



**Signature of Teacher**



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**Academic Session 2022-2023**

**Bachelor of Science (B. Sc.) (Semester-II)**

**COMPUTER SCIENCE Paper-II**

**UNIT TEST Marks out of 20**

**Name of Teacher: Dr. A. A. Haldar**

**Date: 16/03/2023**

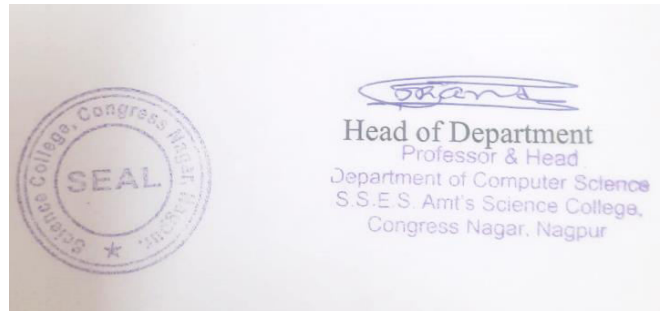
S.N.	Name of Students	Group	Paper II Test I
1	Akansha A. Lokhande	SCSM	16
2	Akshita P. Mohdikar	SCSM	11
3	AmrutaV Gawande	SCSM	18
4	Anuja J Nagrikar	SCSM	17
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**Signature of Teacher**



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

**Academic Session 2022-2023**

**Bachelor of Science (B. Sc.) (Semester-II)**

**COMPUTER SCIENCE Paper-II UNIT TEST on Unit III and IV**

Time: 45 min.]

[Maximum Marks: 20

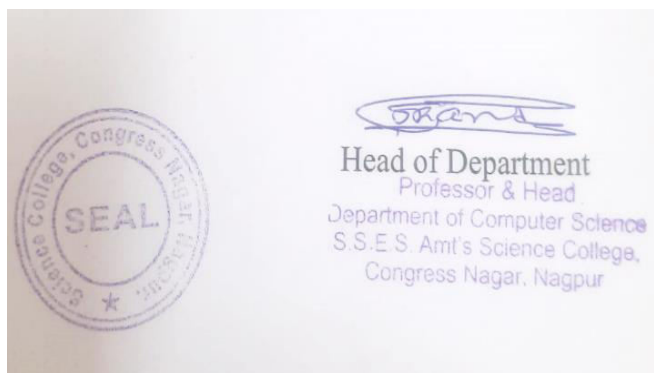
N.B. :- (1) Solve all the questions.

1. Explain following conversion methods : (5)  
(i) Cold Turkey (ii) Parallel  
Or
2. What is System testing ? Explain various levels of testing. (5)
3. Explain system evaluation in detail. (5)  
Or
4. List and explain any four training methods. (5)
5. What is software maintenance ? Give characteristics of software maintenance. (5)  
Or
6. Explain critical path method with example. (5)
7. What is software estimation ? Explain function point metrics. (5)  
Or
8. What is project scheduling ? Explain PERT chart in brief. (5)



**Signature of Teacher**





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**Academic Session 2022-2023**

**Bachelor of Science (B. Sc.) (Semester-II)**

**COMPUTER SCIENCE Paper-II**

**UNIT TEST Marks out of 20**

**Name of Teacher: Dr. A. A. Haldar**

**Date: 12/04/2023**

S.N.	Name of Students	Group	Paper II Test 2
1	Akansha A. Lokhande	SCSM	13
2	Akshita P. Mohdikar	SCSM	12
3	Amruta V Gawande	SCSM	A
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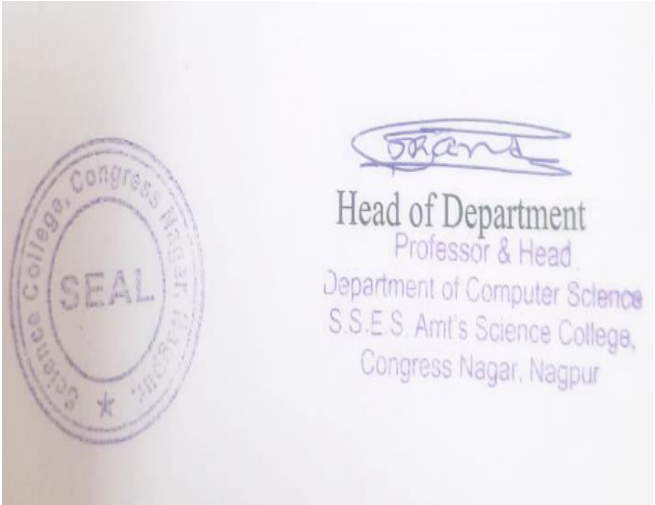
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37	Priya Tiwari	PCSM	A
38	Punsha kodane	ECSM	13
39	Ragini Wadhawe	PCSM	12
40	Rajvi Mamulkar	PCSM	A
41	Raksha Raut	SCSM	14
42	Raksha Satfale	SCSM	17
43	Riya Parteki	ECSM	16
44	Rupali Dhudhankar	SCSM	16
45	Rutuja Bhujade	SCSM	15
46	Sakshi Rahate	ECSM	13
47	Sakshi Kamble	ECSM	13
48	Sakshi Waghe	SCSM	15
49	Saloni Ganvir	PCSM	19
50	sangita Humne	ECSM	A
51	Sanika Fmarwade	PCSM	20
52	Sanika Kashikar	PCSM	14
53	Sanika Choudhari	PCSM	15
54	Sanjana Lende	ECSM	A
55	Sayali Mankar	PCSM	17
56	Sayali Solapurkar	PCSM	12
57	Sayali Hedau	PCSM	15
58	Sejal Yadav	SCSM	12
59	Sejal Karokar	PCSM	11
60	Shrawani Dhawade	PCSM	A
61	Shruti Dhuriya	PCSM	20


62	Smita Gaidhane	PCSM	14
63	Sonu Chanode	PCSM	14
64	Tanhvi Mohature	ECSM	20
65	Vaishnavi Gupta	SCSM	13
66	Vaishnavi Bhute	PCSM	11
67	Vaishnavi Dhabre	PCSM	12
68	Vaishnavi Dhoble	ECSM	11
69	Vanshika Parate	PCSM	15
70	Yashika Barade	ECSM	17
71	Abhisakti Ghugal	ECSM	13
72	Ajinkya Ingle	SCSM	19
73	Akhilesh Desai	ECSM	15
74	Anurag Bawankule	PCSM	15
75	Arpit Bangre	SCSM	20
76	Atharva Tomar	SCSM	A
77	Devansh Jangde	PCSM	20
78	Divya Kamble	PCSM	18
79	Faisl Khan	SCSM	14
80	Harshal Umredkar	ECSM	13
81	Harshit Mourya	PCSM	19
82	Harshit Shivhare	PCSM	19
83	Hitesh Fulmali	SCSM	17
84	Htrushikesh Batwe	SCSM	14
85	Inkush Singh	PCSM	A
86	Jain Raut	ECSM	12
87	Jay Chandel	ECSM	16
88	Khush Rang Bhendarkar	SCSM	15
89	Mahendra Dwangan	SCSM	18
90	Mandar Sulakhe	PCSM	14
91	Nikhil Malik	ECSM	A
92	Nikhil Nasare	PCSM	14
93	Pratik Chavan	ECSM	11
94	Rahul Nasare	PCSM	15
95	Sagar Bisen	SCSM	11
96	Saharsh dolas	PCSM	18
97	Sahil Atkari	PCSM	19
98	sarvesh Daware	ECSM	20
99	Saurabh Danhade	PCSM	A
100	Shashank Ramteke	PCSM	20
101	Shubhau m Tiwari	SCSM	13
102	Sonam Dangore	PCSM	19

103	Somay Chauhan	SCSM	15
104	Sujal Dhanvijay	PCSM	15
105	Ujjwal Mnrar	ECSM	A
106	Vaibhav Sryavanshi	PCSM	14
107	Varad Bhattalwar	ECSM	12
108	Vedant Mankar	ECSM	19
109	Vedant Gaiki	PCSM	18
110	Vinay Hulke	ECSM	20
111	Vruddhi Niranjane	PCSM	A
112	Yash Bhotmange	PCSM	20
113	Yash Gajbhiye	SCSM	18
114	Yash Khode	SCSM	11
115	Yaswardhan Tupid	PCSM	18



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