

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

Academic Session 2021-2022

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.
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




Head of Department
Professor & Head
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S.S.E.S. Amravati's Science College,
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Academic Session 2021-2022

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: 18/03/2022

S.N.	Name of Students	Paper-I Test Based on Unit I And II
1	Ayesha A Siddique	12
2	Agilesh J Iyer	A
3	Kansha K Kripan	11
4	Akshata S Jadhav	18
5	Akshaya R Iyer	15
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Academic Session 2021-2022

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.

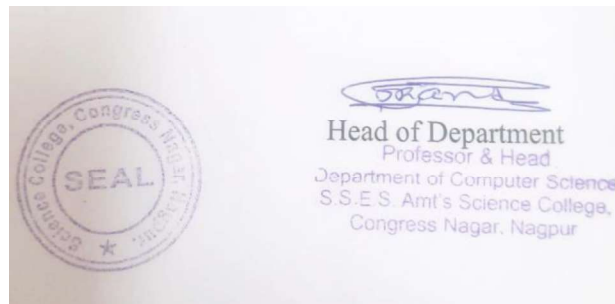
7. What is Exception ? Write a program to handle uncaught exception. (5)

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.



Signature of Teacher



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Academic Session 2021-2022

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: 11/04/2022

S.N.	Name of Student	Paper I Test Based on Unit III and IV
1	Ayesha A Siddique	16
2	Agilesh J Iyer	11
3	Kansha K Kripan	17
4	Akshata S Jadhav	11
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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)



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Academic Session 2021-2022

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

COMPUTER SCIENCE Paper-II

UNIT TEST Marks out of 20

Name of Teacher: Dr. A. A. Halder

Date: 19/03/2022

S.N.	Name of Students	Paper II Test Based on Unit I And II
1	Ayesha A Siddique	14
2	Agilesh J Iyer	10
3	Kansha K Kripan	A
4	Akshata S Jadhav	14
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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)



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COMPUTER SCIENCE Paper-II

UNIT TEST Marks out of 20

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

Date: **12/04/2022**

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113	Sweth A Pimpalkar	12
114	Tanmay K Karanjekar	10
115	Tanmay P Nagrale	20
116	Tanuja K Shinde	19
117	Tanushka A Kadu	A
118	Tanvi H Raut	18
119	Trupti A Mondhe	15

120	Vaidehi S Jibhakate	15
121	Vaishnavi D Dabare	15
122	Vedanti P Doble	A
123	Vidhan R Hedaoo	19
124	Vipul D Sangitrao	17
125	Vishaka M Khiani	17
126	Yash R Kumbhare	14
127	Yogeshree D Barai	20
128	Yunakshi P Karokar	19



Signature of Teacher

