Total No. of Printed Pages:2

SUBJECT CODE NO:- 2108
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. S.Y (Sem-IV)
Examination March/April-2022 (To Be Held In June/July-2022)
Computer Science CS011
Programming in C++

[Time: 1:53 Hours]   **[Max.Marks:50]**

Please check whether you have got the right question paper.
N.B   Attempt all questions.

Q.1	a) Explain the basic structure of C++ with suitable example.	10
	b) What is function prototyping Explain with example.	10

OR

	a) Write a program in C++ that finds larger number among any three integer numbers.	10
	b) What is C++? What are the advantages of C++? Explain in detail.	10

Q.2	a) Explain the concept of function overloading with example.	10
	b) What is constructor? Explain characteristics of a constructors.	10

OR

Write short notes on any four of the following (each carry 5 marks)   20
a) Inline function
b) Arrays of objects.
c) Dynamic Binding
d) Friend function
e) Scope resolution operator
f) Call by reference

Q.3   Multiple choice questions.   10

1. Default constructor has _____arguments
    (a) One argument   (b) No arguments
    (c) Two argument   (d) None of these

2. A class whose objects cannot be created is known as _____
    (a) Absural class   (b) Dead class
    (c) Super class   (d) Abstract class

3. Reusability of code in C++ is achieved through_____.
    (a) Inheritance   (b) Polymorphism
    (c) Encapsulation   (d) Both a and b

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4. In C++, members of a class are _____ by default.
   a) Public   b) Protected   c) Private   d) Static

5. _____ is not the feature of oops.
   (a) Polymorphism   (b) inheritance
   (c) Data abstraction   (d) Top-down approach

6. When a function is called by reference it can work on _____ variables in the calling program.
   a) Original   b) virtual   c) Copies of   d) Pure

7. Objects are basic _____ in object oriented programming.
   (a) Compile time entities   (b) data types
   (c) runtime entities   (d) None of these

8. A destructor is involved implicitly by compiler up on _____ the program.
   (a) entry in   (b) exit form
   (c) midpoint of   (d) None of these

9. In C++ program, inline functions are expanded during _____.
   (a) runtime   (b) compile time
   (c) debugging   (d) Code time

10. Which of the following is not a type of constructor?
    (a) Copy constructor   (b) friend constructor
    (c) default constructor   (d) parameterized constructor

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