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Name.....

Reg. No.....

**SECOND SEMESTER (CBCSS—UG) DEGREE EXAMINATION
APRIL 2024**

Information Technology

BIT 2B 02—OBJECT ORIENTED PROGRAMMING WITH C++

(2019—2023 Admissions)

Time : Two Hours

Maximum : 60 Marks

Section A (Short Answer Type Questions)*Each correct answer carries a maximum of 2 marks.**Ceiling 20 Marks.*

1. Define an object. How to create an object in C++ program ?
2. Define Polymorphism.
3. What do you mean by function overloading in C++ ?
4. Explain multiple inheritance.
5. Explain array of objects.
6. What is a static class member ? Explain its characteristics.
7. Explain Constructor Overloading.
8. What is the purpose of function prototype declaration ?
9. Define private member functions.
10. What is a parameterized constructor ?
11. What is the purpose of using 'this' pointer ?
12. What is pure virtual function ?

Section B*Each question carries 5 marks.**Ceiling 30 Marks.*

13. What are the functions used for the manipulation of File pointers ?
14. Explain any *two* manipulators in C++.

Turn over

15. Briefly explain how to pass objects as function arguments.
16. How we can define the member function outside the class ? Explain it with an example.
17. Write a short note on early binding and late binding.
18. Distinguish between break and continue statement in C++ with examples.
19. Differentiate between base class and derived class with examples.

Section C

*Answer any **one** question.*

10 marks.

20. Explain the different types of inheritance with examples.
21. What is difference in overloading binary operators using friend functions and member functions ? Explain.

(1 × 10 = 10 marks)