



QP CODE: 24020510



24020510

Reg No :

Name :

**B.Sc/BCA DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE
EXAMINATIONS, MAY 2024**

Second Semester

Core Course - CS2CRT06 - OBJECT ORIENTED PROGRAMMING USING C++

(Common for B.Sc Computer Applications Model III Triple Main, B.Sc Computer Science Model III,
B.Sc Information Technology Model III, Bachelor of Computer Applications)

2017 ADMISSION ONWARDS

BBF27A15

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What are the Characteristics of OOPs?
2. What are reference variables?
3. What is meant by nesting of member functions?
4. Define private member functions.
5. What is static data member?
6. What is constructor overloading?
7. Explain dynamic constructors.
8. What is hybrid inheritance?
9. In what order are the class constructors called when a derived class object is created?
10. What is dynamic binding or late binding?
11. Explain file stream classes.
12. What are the different file pointers?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. Explain the different parameter passing techniques.
14. Explain inline function.
15. Define an array. Explain the use of array of objects with example.
16. Explain unary operator overloading concept.
17. Explain type conversion.
18. Explain the use of private, public and protected access specifiers.
19. Describe virtual base class with an example.
20. Distinguish between virtual functions and pure virtual functions.
21. Write a note on unformatted I/O operation.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Discuss control structures in C++.
23. Discuss friend functions. What are its characteristics?
24. Discuss the different types of constructors.
25. What is inheritance? What are the different variations of inheritance?

(2×15=30)

