



21101960

QP CODE: 21101960

Reg No :

Name :

B.Sc DEGREE (CBCS) EXAMINATION, AUGUST 2021

Third Semester

B.Sc Physics Model II Computer Applications

**VOCATIONAL COURSE - CA3VOT05 - CONCEPTS OF OBJECT ORIENTED
PROGRAMMING**

2017 Admission Onwards

99AE45EE

Time: 3 Hours

Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. Explain the structure of c++ program.
2. What is operator precedence?
3. Explain the visibility labels in C++?
4. Explain the diagrammatic representation of memory allocation of objects in a class.
5. What is constructor?
6. What are parameterized constructors?
7. How the Copy Constructors are useful?
8. What is destructor?
9. Define operator overloading.
10. What is the meaning of Inheritance ?
11. Explain multilevel.
12. Explain pointers.

(10×1=10)

Part B

*Answer any **six** questions.*

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



13. Differentiate between Structures and class? Give an example of each.
14. Explain control structures in c++ with syntax.
15. Explain inline function.
16. With suitable programming example describe arrays within a class.
17. Explain static member function.
18. Can we have more than one constructor in a class? Explain.
19. Write a note on dynamic constructor.
20. Describe virtual base class with an example.
21. Describe the implementation of Dynamic memory allocation.

(6×5=30)

Part C

Answer any **two** questions.
Each question carries **10** marks.

22. Explain the operators in C++.
23. What is a friend function? What are characteristics of a friend function? Illustrate with an example.
24. Write a program to overload + binary operator for complex numbers.
25. Narrate Pointers and strings and Pointers to functions with suitable examples.

(2×10=20)