

QP CODE: 24019929



Reg No :

Name :

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

Second Semester

B.Sc Mathematics Model II Computer Science

Vocational Course - CA2VOT02 - COMPUTER SCIENCE -OBJECT ORIENTED

PROGRAMMING WITH C++

2017 ADMISSION ONWARDS

6D9CE80E

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Define datatype.
2. What is multi line comment?
3. What is setw?
4. Why we use decision statements?
5. What is a function?
6. Define function overloading.
7. Define Constructor.
8. Define static constructor and static destructor.
9. What is unary operator?
10. What does an assignment operator do?
11. How do you declare a pointer?
12. Define Exception Handling.

(10×2=20)

Part B

*Answer any **six** questions.*

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



13. Write the limitations of flowchart.
14. What are the advantages of Object Oriented Programming?
15. What is a header file? Write the different header files used in C++.
16. What do you mean by entry control loop and exit control loop?
17. Explain call by value and call by reference.
18. What is nesting of classes?
19. Explain the types of constructor.
20. How binary operators are overloaded?
21. Explain pure virtual function.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

22. Define OOPS? Explain about object oriented programming concepts in detail.
23. Explain inline function with the help of a program.
24. Explain the use of constructor and destructor in C++ with example.
25. Explain the concept of inheritance with an example.

(2×15=30)