23125249

QP CODE: 23125249

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE EXAMINATIONS, MAY 2023

Second Semester

B.Sc Mathematics Model II Computer Science

Vocational Course - CA2VOT02 - COMPUTER SCIENCE -OBJECT ORIENTED PROGRAMMING WITH C++

2017 ADMISSION ONWARDS

23A7489D

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Differentiate structured programming and object oriented programming.
2. List the relational operators.
3. What do you mean by iostream.h?
4. What is user defined functions?
5. What do you mean by calling a function?
6. What do you mean by default arguments?
7. Define derived class.
8. Can destructor used as static in C++?
9. Why is it necessary to overload an operator?
10. Can assignment operator be overloaded?
11. Explain pure virtual function.
12. What are the file stream class?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. What are the advantages of OOPs over structured programming?
14. Explain user defined data types.
15. What is unformatted consol input output operation?
16. Explain while and do-while loop.
17. Explain in detail about function overloading.
18. Brief the concept of constructors and destructors.
19. Explain the types of constructor.
20. Explain unary and binary operators.
21. Why should we use pointers in C++?

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Explain different symbols used in flowchart? Write the advantages and disadvantages of flowchart.
23. Explain decision statements with example.
24. Explain the use of constructor and destructor in C++ with example.
25. What are the different forms of inheritance supported by C++? Explain with relevant example.

(2×15=30)