22103203

QP CODE: 22103203

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE EXAMINATIONS, OCTOBER 2022

Second Semester

B.Sc Mathematics Model II Computer Science

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

2017 ADMISSION ONWARDS

54AF808C

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What is single line comment?
2. What is the use of conio.h?
3. Write any two unformatted consol input output operation.
4. Write the syntax for 'if-else' statement.
5. What is user defined functions?
6. What is function declaration?
7. Define Destructor.
8. What is the use of constructor?
9. What is binary operator?
10. Why friend function is used in operator overloading?
11. Define Inheritance.
12. Define Exception Handling.

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Define flowchart.What are the advantages of flow chart?
14. What are the advantages of Object Oriented Programming?
15. Write the rules for declaring a variable.
16. Explain multi dimentional arrays.
17. What are inline functions? Explain its use in C++.
18. Explain the types of constructor.
19. Define static constructor and static destructor.
20. Why is it necessary to overload an operator? Explain.
21. Explain pure virtual function.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Compare object oriented methodology with structured programming.
23. Explain function overloading. Write a program to find the area of different shapes using function overloading.
24. Create a class student and write a c++ program to read and display all the students in your class.
25. What are the difference between pointers to constants and constant to pointers?

(2×15=30)