B.Sc DEGREE (CBCS) IMPROVEMENT / REAPPEARANCE/ MERCY CHANCE EXAMINATIONS, APRIL 2025

Second Semester

B.Sc Mathematics Model II Computer Science

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

2017 Admission Onwards

9D02A907

Max. Marks : 80

Time: 3 Hours

Part A

*Answer any **ten** questions.*

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

1. Write the advantage of Object oriented programming.

2. How to declare a variable?

3. What do you mean by iostream.h?

4. Define function.

5. Write the different parameter passing mechanisms in C++

6. What is the use of default arguments?

7. What is the use of destructor?

8. Define static constructor and static destructor.

9. What is Operator Overloading?

10. Can assignment operator be overloaded?

11. What is virtual function?

12. Mention the types of Error.

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. What are the advantages of algorithm?

14. Explain any 4 concept of Object Oriented Programming.

15. What is unformatted consol input output operation?

16. Explain for loop with an example.

17. Explain recursion with an example.

18. How to define a class?

19. Explain some special characteristics of constructor.

20. What is unary operator? Explain different unary operators.

21. How pointers are declared and initialized?

(6×5=30)

Part C

Answer any two questions.

Each question carries 15 marks.

22. What is an operator? Explain different types of operators in C++ with example.

23. Explain decision statements with example.

24. Explain the following with example a) copy constructor b) parameterized constructor c) default argument constructor d) dynamic constructor.

25. What are the different forms of inheritance supported by C++? Explain with relevant example.

(2×15=30)