QP CODE: 19101823

19101823

Reg No : .....

Name : .....

B.Sc. DEGREE (CBCS) EXAMINATION, MAY 2019

Second Semester

B.Sc Mathematics Model II Computer Science

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

2017 ADMISSION ONWARDS

6FB9E8DC

Maximum Marks: 80 **Time: 3 Hours**

Part A

Answer any **ten** questions.

Each question carries **2** marks.

1. Write any two advantages of OOPs?
2. Write the structure of C++ programming
3. What are manipulators?
4. What are decision statements?
5. What are parameter passing methods?
6. What is function overloading?
7. What is a class?
8. Define static constructor and static destructor?
9. What is unary operator?
10. Define binary operator?
11. What are visibility modes of Inheritance?
12. What is virtual function?

(10×2=20)

Part B

Answer any **six** questions.

Each question carries **5** marks.

13. What are the advantages of algorithm?
14. What are the features of Object Oriented Programming?

15. Explain about single line and multi line comments

16. What do you mean by functions? Write the types of functions

17. Compare normal functions with inline functions

18. Explain constructors and distructors

19. What is the use of constructor and destructor in C++?

20. Explain some of the rules for operator overloading.

21. What is pointer with example?

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

22. Explain different header files used in C++? Write a C++ program to perform the functions of a calculator

23. Explain different looping statements in C++ with example

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

25. Explain how exceptions are handled in c++. Give examples to support your answer.

(2×15=30)