

B. SC. (C.B.C.S.S) EXAMINATION, MAY/JUNE 2018
SECOND SEMESTER
CORE-OBJECT ORIENTED PROGRAMMING USING C++
(For B. Sc. I.T,B.Sc Computer Science,B.C.A, B.Sc Computer Application Triple Main)
(2017 Admission Onwards)

Time: Three Hours

Maximum Marks:80

PART A

Answer any 10 questions.Each question carries 2marks.

1. What is meant by data hiding?
2. How will you declare symbolic constants in c++?
3. Define array. How will you initialize array elements?
4. What are header files? List any two header files used in c++.
5. Where do you think returning a value by reference be useful?
6. What is default constructor?
7. What is operator overloading?
8. What is this pointer?
9. What are abstract classes?
10. How a class is declared as public in c++?
11. How a file is opened in c++?
12. What do you mean by c++ stream?

(10x2=20)

PART B

Answer any 6 questions.Each question carries 5marks

13. Explain the difference between procedure oriented programming and object oriented programming.
14. Illustrate copy constructor with example.
15. What is call by reference?
16. What are the destructors in c++?
17. Write a program to show function overloading.
18. Explain about visibility modes in c++.
19. Write a program to illustrate static data members?
20. Explain the stream classes for console operations.

21. Explain pointers with example

(6x5=30)

PART C

Answer any 2 questions. Each question carries 15marks.

22. Write notes on:

(a). Friend classes. (5)

(b). Virtual functions (5)

(c). Array of objects. (5)

23. Explain in detail the different types of inheritance. (15)

24. Write a program to illustrate binary operator overloading? (15)

25. (a). Explain friend function with example. (8)

(b). Explain the file modes. (7)