

CLASS:BCA

15A / 58

St. JOSEPH'S COLLEGE (AUTONOMOUS) TIRUCHIRAPPALLI – 620 002

SEMESTER EXAMINATIONS – APRIL 2015

TIME: 2 Hrs. 20 min.

MAXIMUM MARKS: 70

SEM	SET	PAPER CODE	TITLE OF THE PAPER
II	2014	14UBC230204	OBJECT ORIENTED PROGRAMMING WITH C++

SECTION – B

Answer all the questions:

5 x 5= 25

31. a. Describe the structure of C++ program.

OR

b. What is manipulator? List the manipulators and write their uses.

32. a. List the situations where inline expansion may not work. Give an example for inline function.

OR

b. Illustrate the use of static data member with suitable example.

33. a. What is a constructor? Write a C++ program to demonstrate the constructor overloading.

OR

b. What is the use of default arguments? Write a C++ program to explain the default arguments.

34. a. How do you implement hybrid inheritance in C++? Give example.

OR

b. Define abstract class. Explain with an example.

35. a. Write a C++ program to copy a file to another file.

OR

- b. What is a file mode? Describe the various file mode options available.

SECTION – C

Answer any THREE questions:

3 x 15 = 45

36. What is object oriented programming? What are its main characteristics? Explain them.
37. (i) How a member function of a class defined?
(ii) What is a friend function? what are the merits and demerits of using friend functions?
38. Explain the unary and binary operator overloading with suitable examples.
39. Discuss about virtual function and virtual base class. Given an examples.
40. What are the advantages of using exception handling mechanism in a program? How do you handle an exception?
