

Exam. Code : 105703

Subject Code : 9041

B.Sc. IT 3rd Semester (Old Sylb.—2016)

OBJECT ORIENTED PROGRAMMING USING C++

Paper—I

Time Allowed—3 Hours] [Maximum Marks—75

Note :— Attempt any **five** questions. All questions carry equal marks.

1. (a) Explain various preprocessor directives available in C++.
(b) What is meaning of type conversion ? Explain different types of type conversion in C++.
2. Explain various control statement available in C++.
3. (a) What is meaning of function overloading ? Give an example.
(b) Which are inline functions in C++ ? Explain with an example.
4. (a) What is Constructor ? What is constructor overloading ?
(b) Explain different ways in which static keyword can be used in a class.
5. Write a program in C++ to count how many elements of an array are even, how many are odd and how many are zero.

6. What is need of operator overloading ? Which are various pitfalls of operator overloading ?
7. Which are different types of Inheritance in C++ ? Give problems associated with multiple inheritance.
8. (a) What is difference between structure and class in C++ ?
(b) What is enumerated data type in C++ ? Give an example.