

Bachelor of Science (B.Sc.I.T.) Semester–II Examination
OBJECT ORIENTED PROGRAMMING USING "C++"
Paper–II

Time : Three Hours]

[Maximum Marks : 50

- N.B. :—** (1) All questions are compulsory and carry equal marks.
 (2) Draw neat and labelled diagram wherever necessary.

EITHER

1. (a) What is object oriented programming paradigm? Give its features. 5
- (b) Write notes on the following :
 - (i) Object
 - (ii) Classes. 5

OR

- (c) What is the difference between member functions defined inside and outside the body of a class? 5
- (d) Explain Access specifiers in C++. 5

EITHER

2. (a) What is parameterized constructor? Explain with syntax and example. 5
- (b) Write a program in C++ for a class test with a constructor and destructor. 5

OR

- (c) Explain the rules for operator overloading. 5
- (d) What is copy constructor? Explain with example. 5

EITHER

3. (a) How will you create a dynamic object? Explain with example. 5
- (b) What is Array of objects? Give an example. 5

OR

- (c) Explain the syntax for declaring the derived class. Draw access privilege diagram for members of a base and derived class. 5
- (d) What is inheritance? Explain multiple inheritance with suitable examples. 5

EITHER

4. (a) What is Abstract classes? Give its example. 5
- (b) List all types of exceptions in C++. 5

OR

- (c) Explain fault tolerant design technique. 5
- (d) Describe rules for handling exceptions successfully in C++ environment. 5

5. Attempt all :

- (a) What is inline function? Explain its use. 2½
- (b) Write a syntax for parameterized constructor. 2½
- (c) What is this pointer? Give example. 2½
- (d) Write a short note on fault tolerant design technique. 2½