

B.C.A. (Part—II) Semester—III Examination
3ST2 : OBJECT ORIENTED PROGRAMMING WITH C++

Time : Three Hours]

[Maximum Marks : 60

- Note :—** (1) All questions are compulsory.
(2) All questions carry equal marks.
(3) Assume suitable data wherever necessary.

1. (a) What are the features of OOPS ? 6
- (b) Explain data type conversion in C++. 6

OR

2. (a) Explain Scope Resolution Operator with suitable example. 6
- (b) What is constant ? What are different types of constants used in C++ ? 6
3. (a) Explain the following with example (any **TWO**) :
(i) For
(ii) Goto
(iii) While. 6
- (b) What is function ? Explain the use of default arguments in a function. 6

OR

4. (a) Explain Do....While statement with suitable example. 6
- (b) Write a program to find multiplication of given two numbers using function. 6
5. (a) How class is defined in C++ ? Explain in brief. 6
- (b) What is constructor ? What are the rules governing the declaration of constructor ? 6

OR

6. (a) What are objects ? Describe the syntax for declaring object with example. 6
- (b) Explain multiple constructor with example. 6
7. (a) What is pointer ? Explain “this” pointer with example. 6
- (b) Explain multiple inheritance with example. 6

OR

8. (a) Write a program to describe the overloading of unary minus (“-”) operator. 6
- (b) What is visibility mode ? What are the different inheritance visibility modes supported by C++ ? 6
9. (a) What is virtual function ? Write rules for virtual functions. 6
- (b) Explain the different file modes in C++. 6

OR

10. (a) Explain the concept of pointers to derived class with example. 6
- (b) What is File ? Explain the concept of closing of files with example. 6