

AL -529

Third Semester B. C. A. (Part - II) Examination

**OBJECT ORIENTED PROGRAMMING
WITH C++**

Paper - 3ST2

P. Pages : 3

Time : Three Hours]

[Max. Marks : 80

- Note :** (1) All questions are compulsory.
(2) All questions carry equal marks.

1. (a) Explain object oriented programming . What are its features. 6
(b) Explain the purpose of scope resolution operator with suitable example. 6

OR

2. (a) Explain type conversion in C++ 3
(b) Explain preprocessors directives in C++ 3
(c) Explain dynamic initialization of variable with suitable example. 6

3. (a) Explain the use of default argument in a function. 6

(b) Explain the following with an example :—

(i) switch.

(ii) do..... while.

6

OR

4. (a) Explain the following with example :—

(i) Function calling.

(ii) Function prototype.

6

(b) Explain 'for-loop' with suitable example. 6

5. (a) Explain friend function and give it's characteristics. 6

(b) Explain parameterized constructor with example. 6

OR

6. (a) Explain the concept of multiple constructor in a class. 6

(b) Explain passing object as arguments. 6

7. (a) What is 'this' pointer ? Explain the use of 'this' pointer with example. 6

(b) Write a program for overloading of unary (+) operator. 6

OR

8. (a) Explain base class and derived class with example. 6

(b) Explain pointer to object with example. 6

9. (a) What are the rules for virtual functions. 6

(b) Explain hierarchy of file stream classes. 6

OR

10. (a) Explain the pointers to derived class with suitable example. 6

(b) Explain opening and closing of files in C++ with example. 6