



LJ-1330

B.Sc. (Part-II)

Term End Examination, 2021

INFORMATION TECHNOLOGY

Paper - II

Time : Three Hours] [Maximum Marks : 50

[Minimum Pass Marks : 17

Note : Answer any **two** parts from each question. All questions carry equal marks.

Unit-I

1. (a) What is object oriented programming ?
Write the advantages of OOPs.
- (b) What is object and class ? Explain with example.
- (c) What are the characteristics of OOPs ?

(2)

Unit-II

2. (a) Explain function declaration and function call using a suitable example program.
- (b) What is function overloading ? Explain with suitable example.
- (c) How to pass arguments into a function in C++ ?

Unit-III

3. (a) What is Inheritance ? Explain types of inheritance in C++.
- (b) Explain friend function with the help of example.
- (c) Explain Destructor with the help of example.

Unit-IV

4. (a) What do you understand by pointer ? Define & and * operator.
- (b) What do you mean by void pointer ? Write a C++ program to demonstrate the void pointer.
- (c) What do you understand by virtual function ? Explain with example.

Unit-V

5. (a) What are streams in C++ ? Write the advantages of I/O streams.

(3)

- (b) Explain different types of file modes available in C++.
 - (c) Explain the concepts of files in C++. Write a program to read a text from the file 'syllabus' and copy it to another file 'notes'.
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