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LNCT UNIVERSITY, BHOPAL

Enrolment No.

CS-104 / CS - 103

**B.TECH (CS / AIML) I SEMESTER
EXAMINATION [JAN- 2024]**

**PROGRAMMING AND PROBLEM SOLVING WITH C++/
PROGRAMMING AND PROBLEM SOLVING**

Maximum Marks:70

Time Allowed :3Hours

Note:-Attempt all questions internal choice are given.

(SECTION –A)

1. Short Answer Type Questions (Attempt Any Five) [5x6=30]

- i) Explain different types of computer.
- ii) With a neat diagram explain the basic structure of a computer
- iii) Explain a general structure of C program with an example.
- iv) What is Passing Parameters to functions in C Programming?
- v) What is the difference between list and tuples in Python?.
- vi) Define a pointers with Example?

(SECTION –B)

2 Long Answer Type Questions (Attempt Any Four). [04x10=40]

- i. What is Software? Explain different types of software.
 - ii. Explain if, if-else, nested if-else and cascaded if-else with examples and syntax.
 - iii. What is an array? How a single dimension and two dimension arrays are declared and initialized?
 - iv. What is a token? What are different types of tokens available in C language? Explain.
 - v. What are the key features of Python?.
 - vi. What are the common built-in data types in Python?
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