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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