

No Preview  
Available

Total No. of Question : [4]

Registration No. : 

--	--	--	--	--	--	--	--	--

**Programme Name : F.Y.B.Tech**  
**Regular F.Y.B.Tech. ESE Sem. I (A.Y.2023-24) Dec.2023**  
**I SEMESTER ( 2023 BATCH)**  
**231FYL103-Computer Programming and Problem Solving**

Duration : [ 10:30 AM - 12:30 PM ]

Date : 02 Jan, 2024

Day : Tuesday

Marks : 50

**Instructions :**

(Q1) All Questions are compulsory. [20.0]

(1.a) Explain different Data types in C. [6.0]

**CO :- 103.1**

**Blooms Taxonomy :- -**

(1.b) What is an array? Explain with example how to declare and initialize one dimensional array. [7.0]

**CO :- 103.2**

**Blooms Taxonomy :- -**

(1.c) Explain a user defined function with the help of a program. [7.0]

**CO :- 103.3**

**Blooms Taxonomy :- -**

(Q2) All Questions are compulsory. [10.0]

(2.a) Compare Structures and Unions in C. [4.0]

**CO :- 103.4**

**Blooms Taxonomy :- -**

(2.b) Explain Array of Structures with the help example. [6.0]

**CO :- 103.4**

**Blooms Taxonomy :- -**

**OR [ 2.b / 2.c ]**

(2.c) Write a program to create a student record(name,roll no,percentage) for 10 students by using concept of structures in C. [6.0]

**CO :- 103.4**

**Blooms Taxonomy :- -**

(Q3) All questions are compulsory. [10.0]

(3.a) Write a program to add two numbers by using concept of pointers. [4.0]

CO :- 103.5

Blooms Taxonomy :- -

(3.b) Write a Short note on call by reference. [6.0]

CO :- 103.5

Blooms Taxonomy :- -

**OR [ 3.b / 3.c ]**

(3.c) Explain steps to access a variable by using pointers. [6.0]

CO :- 103.5

Blooms Taxonomy :- -

(Q4) Attempt any two out of three questions. [10.0]

(4.a) What is Cloud Computing.?Give advantages of Cloud Computing. [5.0]

CO :- 103.6

Blooms Taxonomy :- -

(4.b) Write Short Note on Block chain Technology. [5.0]

CO :- 103.6

Blooms Taxonomy :- -

(4.c) Explain types of Artificial Intelligence. [5.0]

CO :- 103.6

Blooms Taxonomy :- -

\*\*\*\*\*