

Course Name: Computer Technique in Chemical Engineering, Course Code: 201CHL211

Day and Date: Monday 13/02/2022

Time: 10.00 am to 1.00 pm

Seat No:

Max. Marks- 100

Instructions:

- i. Question No. 1 is compulsory.
- ii. Figure to the right indicate full marks.
- iii. Give suitable general Instructions
- iv. Any other Course Specific Instructions.
- v. No questions should repeat from MSE/ISE

BT	CO's	Q. No.		Marks
		Q.1	Attempt the following	40
BT-II	CO-1	a	Write short note on a) Variable keyword, b) Hardware software	4
			ii) Explain difference in C & C++ in details	6
BT-II	CO-1 CO-2	b	i) Write the syntax for and do while loop with flow chart	3
			ii) Design a program to find reverse of given Number.	3
			iii) Write a program to find out factorial any number.	4
BT-VI	CO-2 CO-3	c	i) Create a program to find Reynolds Number using for loop for laminar, Transitional and turbulent flow	5
			ii) Create program for calculator (+, -, *, /) using switch Statement	5
BT-III	CO-3	d	i) Identify Difference between if else and Switch in C++ operator.	5
			ii) Construct a program to generate Fibonacci series using while loop	5

		Q.2	Attempt (any one options are allowed for sub questions)	20
BT-III	CO-4	a	Construct a program display two matrix and enter sum their sum in third matrix	6
BT-III	CO-4	b	Write a program to find the sum and product of all elements of an array.	7
BT-I	CO-4	c	What do you mean by dimension of array write a program to read and display element of array?	7
OR				
BT-I	CO-4	d	Distinguish between get char function and put char with suitable example	7
Q.3				
		Q.3	Attempt (any four questions)	20
BT-III	CO-5	a	Write a program to read and print employ details using structure each element in array will represent single employ (name: Id, Salary)	5
BT-V	CO-5	b	Explain Structure in details definition it's type declaration along example? also write Structure pointer	5
BT-V	CO-5	c	Explain Difference between Structure and Function	5
BT-V	CO-5	d	Explain function, It's Type, Declaration, Calling Function	5
BT-III	CO-5	e	Write Difference between Structure and class? also write syntax for class	5
Q.4				
		Q.4	Attempt (any one option are allowed for sub questions of a, b, c.....)	20
BT-I	CO-6	A	What is OOP? Write the application of OOP.	4
OR				
BT-I	Co-6	b	What is the object-oriented paradigm? Explain various feature of OPP?	
BT-III	CO-6	c	Write Program to illustrate the working of object and class in C++ programming	4
BT-V	CO-6	d	Explain Inheritance and based and derived classes using exam class shapes and & Derived classes rectangle	6
BT-III	CO-6	e	write a program to display information like name roll no branch marks of N number of candidate using structure in c++	6
