

END SEMESTER EXAMINATION, April -2022

Course Name: **Fundamentals of Computer and Programming,**

Course Code: **201GEL105**

Day and Date: Monday,18/04/2022

Seat No:

Time: 10.00am to1.00pm

Max. Marks- 100

Instructions:

- Question No. 1 is compulsory.
- Figure to the right indicate full marks.
- Give suitable general Instructions

BT	CO's	Q. No.		Marks
		Q.1	Attempt the following	40 Marks
		a		(10Marks)
2	1		i) What is software and explain its types.	6 Marks
2	1		ii) Explain Hardware components of computer system.	4 Marks
		b		(10Marks)
2	1		i) Describe features of C Programming	3 Marks
2	1		ii) Explain Data types in detail.	3 Marks
2	2		iii) Describe structure of C program	4 Marks
		c		(10Marks)
3	3		i) Write an algorithm and flowchart for finding factorial of number.	5 Marks
3	2		ii) Write a C Program to find factorial of a given number.	5 Marks
		d		(10Marks)
2	2		i) Explain decision control statements syntax.	5 Marks
2	2,3		ii) Write a short note on for loop with suitable example.	5 Marks
		Q.2	Attempt the following	20Marks
2	2	a	Write a short note on user define function.	(6Marks)
2	2	b	Explain One dimensional array with example.	(7Marks)

3	2	c	Write a program to print addition of two-dimensional array. (Matrix addition) Or Write a difference between one dimensional and two-dimensional array.	(7 Marks)
		Q.3	Attempt any four questions	20Marks
2	4	a	Explain the concepts of OOP.	(5Marks)
2	4	b	What is Inheritance? Explain with its types.	(5Marks)
2	4	c	Explain multi-level Inheritance in detail with example.	(5Marks)
3	4	d	Write a program using class and object concept.	(5Marks)
3	4	e	Write a program of addition of two numbers using class, methods and object.	(5Marks)
		Q.4	Attempt the following	20Marks
2	4	a	What is Artificial Intelligence? Write a note on it.	(4Marks)
2	4	b	Describe application of Artificial Intelligence.	(4Marks)
2	4	c	What is Machine learning? Explain its types.	(6Marks)
2	4	d	Explain the concept of Deep learning. Or Describe current trends of Artificial Intelligence.	(6Marks)
