Program: F.Y.B.Sc IT **Semester:** I **Program Code:** UGIT01

Course: Foundation of Programming Skills **Course Code:** NUIT101

Duration: 1 Hour **Examination Pattern:** NEP-Autonomous- External **Max. Marks:** 30

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Draw neat diagrams wherever necessary.
4. CO (Course Outcome), KL (Knowledge Level).

Examination:

REGULAR

Q. 1		**Attempt any THREE of the following.**	[15]	CO's	KL's
	(a)	Define the structure of a C program and describe the purpose of its major components with a suitable example.		CO1	L1
	(b)	Differentiate between constants and variables in C with suitable examples.		CO1	L2
	(c)	Explain arithmetic, relational and logical operators with suitable examples.		CO2	L2
	(d)	Analyze switch-case statements. State a suitable situation for using it.		CO3	L4
	(e)	Design a C program to find the largest of three numbers using if-else.		CO3	L3
Q. 2		**Attempt any THREE of the following.**	**[15]**	**CO's**	**KL's**
	(a)	Define single dimensional array with suitable exampie.		CO4	L1
	(b)	Explain pointer with suitable programming example.		CO4	L2
	(c)	Analyze call by value parameters using function.		CO5	L4
	(d)	Compare break and continue statement with example.		CO3	L4
	(e)	Explain file operations in C. Describe the functions used for opening, reading, writing and closing a file.		CO5	L2

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