Off-Campus Centre of Nitte (Deemed to be University) 1 Sem B.Tech. (CBCS) Mid Semester Examinations - I, September 2022

CS1001-1 - PROBLEM SOLVING THROUGH PROGRAMMING

Duration: 1 Hour			M	Max. Marks: 20	
Note: Answer any One full question from each Unit.					<i>(s</i> : 20
	Unit – I		BT*	CO*	PO*
1. a) b)	Describe the various steps involved in program development with a neat diagram. Define the following terms	5	L*2	1	1
U,	i. Algorithm ii. Flowchart $24/2$ and write an algorithm and flowchart for computing Sum and Average of Three numbers. $949 - 84$	5	L3	1	1
2. a)	Explain classification of Computers. Pralog-1 Digital - 4	5	L2	1	1
b)	Identifiers with relevant examples. De↓ - I	5	L2	1	1
3. a)	• • • • • • • • • • • • • • • • • • • •				
b)	examples. Def - $1/2$ $exp-4$. List - $1/2$ Solve the following expressions	5	L2	2	1
	i) a/b <= c-d+a%10-b = = d >=e !=b	5	L3	2	1
4. a)	Explain the following unformatted input and output function with syntax, code snippets and the output.				
	i) gets() – $2/2$ ii) putchar() – $2/2$	5	L2	2	1
b)	Write a C program to find the Volume of Cylinder. Formula: V=πr² h	5	L3	2)
BT* Bloom's Taxonomy, L* Level; CO* Course Outcome; PO* Program Outcome					