BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI (END SEMESTER EXAMINATION)

CLASS: BRANCH					EMESTER :1 st ESSION : MO/2022		
TIME:	3 H	lours	SUBJECT: CS101 PROGRAMMING FOR PROBLEM SOLVING F	ULL MARKS: 50			
 INSTRUCTIONS: 1. The question paper contains 5 questions each of 10 marks and total 50 marks. 2. Attempt all questions. 3. The missing data, if any, may be assumed suitably. 4. Before attempting the question paper, be sure that you have got the correct question paper. 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall. 							
Q.1(a) Q.1(b)			r basic data types in C. ing with an example.	[5] [5]	CO 1 CO1 CO1	BL 2 2	
Q.2(a)		/rite a program in C to take an integer number as user input and check if it is a alindrome or not.			CO2,3	2	
Q.2(b)		a program	to print the following pattern:	[5]	CO2,3	2	
Q.3(a) Q.3(b)	Compu #includ int ma { int A int i for ({ B[i]= } for ({	ute the out de <stdio.h in () A [10]= {0, , j, B[5]; (i=0, j=0; i = A[j]; (i=0; i<5; i f("%d \n",</stdio.h 	1, 2, 3, 4, 5, 6, 7, 8, 9}; <5; i++, j=j+2) ++)	[5] [5]	CO2,3 CO2,3	2 3	
Q.4(a) Q.4(b)	Explai	n the diffe	re function with an example. rence between passing arguments to a function by reference and propriate examples.	[5] [5]	CO3,4 CO3,4	1 2	
Q.5(a) Q.5(b)			ween a structure and an array. in C to find the largest of three integer numbers using pointers.	[5] [5]	CO4,5 CO4,5	2 3	