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

CLASS: B. TECH.   SEMESTER: VII
BRANCH: CSE   SESSION: MO/2022

SUBJECT: IT402 .NET PROGRAMMING

TIME: 2 HOURS   FULL MARKS: 25

INSTRUCTIONS:
1. The total marks of the questions are 25.
2. Candidates attempt for all 25 marks.
3. Before attempting the question paper, be sure that you have got the correct question paper.
4. The missing data, if any, may be assumed suitably.
5. Tables/Data handbook/Graph paper etc. to be supplied to the candidates in the examination hall.

				CO	BL
Q1	(a)	Explain architecture of .Net Framework with suitable diagram.	[2]	1	BL1
Q1	(b)	Write a program that assign the value 25 to variable x and 5 to variable y. Output the sum, difference, quotient, product and modulo of x and y.	[3]	1	BL4
Q2	(a)	What is common Language Runtime (CLR) in .NET architecture? Briefly explain it's features?	[2]	1	BL2
Q2	(b)	Explain the steps that are performed during the compilation and execution of .NET Application.	[3]	1	BL3
Q3	(a)	illustrate with an example the call to a base class constructor from a derived class.	[2]	2	BL4
Q3	(b)	Develop a C# code to find sum of elements of entered size of array.	[3]	2	BL5
Q4	(a)	What is Regular Expression in C#? Design the regular expression for given statement: • Matching words start with 'm' and ends with 'e'	[2]	2	BL3
Q4	(b)	Describe how C# support multiple inheritance? Explain by giving an example.	[3]	2	
Q5	(a)	illustrate exceptional handling in C#.	[2]	3	BL4
Q5	(b)	solve user defined exception for overflow and stack empty exception in a stack class.	[3]	3	BL5

:::::: 26/09/2022 ::::::M