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

CLASS: MBA   SEMESTER : III
BRANCH: MBA   SESSION : MO/2023

SUBJECT: MT543 SOFTWARE ENGINEERING

TIME: 3 Hours   FULL 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.

			CO	BL
Q.1(a)	Software engineering has evolved since decades? Justify your answer with proper explanation?	[5]	1	2,5
Q.1(b)	Differentiate between traditional waterfall model and Agile model?	[5]	1	3
Q.2(a)	Explain the characteristics of good SRS document?	[5]	2	1
Q.2(b)	Differentiate between Verification and Validation?	[5]	2,5	3
Q.3(a)	Explain the approaches of the Software Design? Which approach uses Data Flow Diagrams?	[5]	3	1,3
Q.3(b)	Classify cohesiveness? Does cohesion contributes to integration testing? If yes, how?	[5]	3,4	4
Q.4(a)	Describe McCabe's Cyclomatic complexity? What is the purpose of using this technique?	[5]	4	1,3
Q.4(b)	What is a test case? Explain with the help of an example?	[5]	4	4
Q.5(a)	Explain how to measure the quality of software? Differentiate between product metrics and process metrics?	[5]	5	4,3
Q.5(b)	Compare between ISO 9000 and SEI/CMM?	[5]	5	3

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