

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

**CLASS: MBA
BRANCH: MANAGEMENT**

**SEMESTER : IV
SESSION : SP/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.
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Q.1(a)	Outline the set of activities associated with software development process.	[5]	CO- 1	BL - 4
Q.1(b)	Illustrate the design principles that must be thoroughly reviewed and considered to develop a successful software system.	[5]	CO 1	BL -2
Q.2(a)	Present the list of reasons why software quality assurance activity should be applied throughout the software process	[5]	CO 3	BL - 3
Q.2(b)	Compare and contrast hard real time system and soft real time system with suitable examples.	[5]	CO -4	BL -4
Q.3(a)	Classify the types of software testing.	[5]	CO-5	BL -3
Q.3(b)	Examine the reasons of software failure.	[5]	CO-5	BL - 4
Q.4(a)	Distinguish between combinational and sequential circuits.	[5]	BL- 4	CO-4
Q.4(b)	Compare cache, heap and stack memory.	[5]	CO- 4	BL-4
Q.5(a)	Examine searching and sorting techniques in data structure.	[5]	CO- 3 & 4,	BL- 4
Q.5(b)	Illustrate dynamic programming with examples.	[5]	CO-4	BL - 2

:03/05/2023:E