

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

**CLASS: BTECH
BRANCH: CSE and IT**

**SEMESTER: VII
SESSION: MO/2022**

SUBJECT: IT436 SOFTWARE TESTING

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 hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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Q1 (a)	Describe the fundamentals and financial aspects of quality.	[2]	3	CO	BL
Q1 (b)	Describe the software quality management and processes related to software quality.	[3]	3,4		BL-1 and BL-2
Q2 (a)	Describe the software configuration management.	[2]	3		BL-2
Q2 (b)	Compare the Black-Box, White-Box, and Gray-Box approaches of software testing.	[3]	2,5		BL-2 and BL-3
Q3 (a)	What are the TQM and Big-Bang approaches of software testing?	[2]	1		BL-2
Q3 (b)	Describe the V-Test and defect management life cycle.	[3]	3,4		BL-3 and BL-4
Q4 (a)	Briefly describe the software verification and validation during SDLC.	[2]	2		BL-2
Q4 (b)	Describe the software test plan and software test strategy.	[3]	1,3		BL-3
Q5 (a)	Describe the levels of testing during SDLC.	[2]	2,3		BL-2
Q5 (b)	Describe the different acceptance testing methods.	[3]	3,4		BL-3

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