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

CLASS: BTECH   SEMESTER : VIIth
BRANCH: CSE/IT   SESSION : MO/2023

SUBJECT: IT436 SOFTWARE TESTING

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)	What do you understand by quality of software? Explain the role and responsibility of AQ particularly difficult.	[5]	1	Rem
Q.1(b)	What are the factors that influence software quality? Explain them in detail.	[5]	2	Rem
Q.2(a)	Discuss black box and white box testing techniques and its different approaches.	[5]	2	Und
Q.2(b)	What are the Top down and Bottom Up Integration testing? Explain with example.	[5]	3	Und
Q.3(a)	What are the challenges of testing object-oriented application? How do we address them?	[5]	3	App
Q.3(b)	Provide the differences in the testing techniques used for client-server and web application.	[5]	4	App
Q.4(a)	Define Test pan, Test case, Test Scenario.	[5]	4	Ana
Q.4(b)	Explain different testing tools and its developers.	[5]	4	Ana
Q.5(a)	Define Test Process and why is the Test Process important.	[5]	5	Eva
Q.5(b)	What is test process improvement model and reasons to use it.	[5]	5	Eva

::::::22/11/2023::::::M