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

CLASS: BCA   SEMESTER : V
BRANCH: BCA   SESSION : MO/2023

SUBJECT:CA320 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 is testing? Explain the objectives of testing.	[5]	1	1
Q.1(b)	Explain the principles of software testing.	[5]	1	1
Q.2(a)	Why is functional testing also known as black-box testing? Discuss with the help of examples.	[5]	2	2
Q.2(b)	What is cyclomatic complexity? Discuss different ways to compute it.	[5]	3	3
Q.3(a)	Differentiate between testing and debugging.	[5]	3	2
Q.3(b)	Explain stress, load and performance testing.	[5]	3	2
Q.4(a)	What is class testing? What are various issues related to class testing?	[5]	3	3
Q.4(b)	What is web testing? Differentiate between client/server applications and web applications.	[5]	3	2
Q.5(a)	Why we need Automated Testing Tools? Explain.	[5]	4	5
Q.5(b)	Write short note on WinRunner.	[5]	4	1

::::::28/11/2023::::::M