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Total No. of Printed Pages:

G.R. No.	
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PAPER CODE	U 483-2338 (PE)
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**MAY 2023 (ENDSEM) EXAM**  
**FINAL YEAR B.TECH (COMPUTER ENGINEERING)**  
**(AY 2022-23 SEMESTER - II)**  
**COURSE NAME: OPEN ELECTIVE-II (SOFTWARE TESTING)**  
**COURSE CODE: IOEUA40183B**  
**(PATTERN 2018)**

Time: [1Hr]

[Max. Marks: 30]

**Instructions to candidates:**

- 1) Use of scientific calculator is allowed
- 2) Use suitable data where ever required
- 3) All questions are compulsory

Question No.	Question Description	Max. Marks	CO mapped	BT Level
Q.1	a) List down various automation tools and determine the various factors affecting the choice of selecting best automation tool.	[4]	[CO4]	[Analyze]
	b) Illustrate the types of Automation Testing and choose any one type for following scenario:  Test cases that require repeated test execution with a large dataset.	[6]	[CO4]	[Apply]
	<b>OR</b>			
	c) Explain 'Automation testing process' and how you can apply this process to "Login Page functionality".	[6]	[CO4]	[Apply]
Q.2	a) Describe the types of Selenium IDE commands.	[4]	[CO5]	[Understand]

	<p>b) Consider the following scenario:</p> <p>User wants to type "Text/Data" in an input box so write a program in Selenium WebDriver.</p>	<b>[6]</b>	[CO5]	[Apply]
	<b>OR</b>			
	<p>c) Write Test Cases for Login Page using following parameters:</p> <p>i) Functionality Test Cases ii) Non-functionality Test Cases iii) UI Test Cases</p>	<b>[6]</b>	[CO3]	[Apply]
<b>Q.3</b>	a) Describe the types of Assertions in TestNG.	<b>[4]</b>	[CO6]	[Understand]
	b) Discuss TestNG Framework and Write a program for sequence of execution of all the annotations in TestNG.	<b>[6]</b>	[CO6]	[Apply]
	<b>OR</b>			
	<p>c) Consider the following Scenario:</p> <p>where 100 test cases of university, and 10 test cases of academic institutes needs to be tested, out of which user is interested in only University test cases to test in a single suite.</p> <p>Discuss which technique will you choose in TestNG and write a program to prove your answer.</p>	<b>[6]</b>	[CO6]	[Apply]