UPES
UNIVERSITY OF TOMORROW

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May 2022

Course: Test Automation
Program: B. Tech CSE DevOps
Course Code: CSDV 3007

Semester: VI
Time : 03 hrs.
Max. Marks: 100

Instructions: Please draw diagrams and write code wherever applicable.

SECTION A
(5Qx4M=20Marks)

S. No.		Marks	CO
Q 1	Who performs the verification of logged Defect? a. Tester b. Developer c. Both Tester and Developer d. Release Team	4	CO4
Q 2	Which of the test case parameter specifies how the application actually behaved while test cases were being executed. a. Expected Result b. Actual Result c. Result d. Pass/Fail	4	CO3
Q 3	Explain Test Basis. Mention and describe its 2 popular documents.	4	CO3
Q 4	Describe about i)System Testing ii)Acceptance Testing	4	CO1
Q 5	Differentiate between Soft Assertion and Hard Assertion.	4	CO3

SECTION B
(4Qx10M= 40 Marks)

Q 6	Explain traceability matrix, its design and types of traceability matrix in detail.	10	CO3
Q 7	Explain the Defect/Bug Lifecycle in detail along with flowchart.	10	CO4
Q 8	Build and Explain Selenium Automation Script using TestNG Framework for launching any ecommerce platform. OR Explain parameterization of test cases using @DataProvider annotation. Mention the code using Java and TestNG framework.	10	CO2
Q 9	Illustrate the seven principles of Software Testing in detail.	10	CO1

	SECTION-C **(2Qx20M=40 Marks)**		
Q 10	Explain i)Usability Testing ii)Functional Testing iii)Compatibility Testing iv)GUI Testing v)API Testing OR Define TestNG Framework along with different annotations and attributes. Explain @dataprovider annotation in detail along with selenium example.	**20**	**CO2**
Q 11	Explain the Software Testing Lifecycle in detail along with its diagram. Differentiate between STLC and SDLC.	**20**	**CO1**