


Name:	 UPES <small>UNIVERSITY WITH A PURPOSE</small>
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
Online End Semester Examination, May 2021

Course: Test Automation Program: B. Tech. CSE DevOps Course Code: CSDV 3007	Semester: VI Time 03 hrs. Max. Marks: 100
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SECTION A

- 1. Each Question will carry 5 Marks**
- 2. Instruction: Complete the statement / Select the correct answer(s)**

S. No.	Question	CO
Q 1	In one class, we have 3 test methods with @Test1(priority = 1, enabled = true), @Test2(priority = 4, enabled = false), @Test3(priority = 7, enabled = true), which test method will be executed first. a. Test1 b. Test2 c. Test3 d. All methods	CO2
Q2	Sandwich Testing approach is used in which type of testing a. Integration Testing b. Functional Testing c. API Testing d. Unit Testing	CO1
Q3	Which is the last state of Defect in Defect LifeCycle. a. New b. Opened c. Closed d. Verified	CO4
Q4	Who performs the verification of logged Defect. a. Tester b. Developer c. Both Tester and Developer d. Release Team	CO4
Q5	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	CO3
Q6	In which type of traceability matrix, the test cases are mapped with the requirements. a. Forward Traceability b. Backward Traceability c. Bi-directional Traceability d. None of the above	CO3

SECTION B

- 1. Each question will carry 10 marks**
- 2. Instruction: Write short / brief notes**

Q 7	Explain the Software Testing Lifecycle in detail along with its diagram. Differentiate between STLC and SDLC in brief.	C01
Q 8	Elaborate the Test Case design process along with parameters which comprise test case designing. Explain about Test Basis.	C03
Q 9	Explain the defect lifecycle along with different stages of defect. Write in brief steps for approaching manual testing.	C04
Q 10	Elaborate different Selenium Components. Explain Selenium Architecture in detail.	C02
Q 11	Describe different types of testing in brief: i. Usability Testing ii. End to End Testing iii. Functional Testing iv. Compatibility Testing OR Explain Black-box testing and white-box testing in detail along with different categories/types involved in each.	C01
Section C		
1. Each Question carries 20 Marks. 2. Instruction: Write long answer.		
Q12	Define TestNG Framework along with different annotations and attributes. Explain @dataProvider annotation in detail along with selenium example. OR Explain different locator strategies for identifying web elements. Write Selenium code for i. Extracting more than one object from a page. ii. Extracting all links of a page (bulk extraction of objects)	C02