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END TERM EXAMINATION - May 2022

SEMESTER - VI

(B.Tech. CSE with DevOps- 2019)

Subject Code: CDV 3004

Subject: Test Automation

Duration: 3 hours

Max. Marks: 100

Instructions

- All Questions are compulsory
- The Question paper consists of 2 sections - Part A contains 10 questions of 2 marks each. Part B consists of 5 questions of 16 marks each.
- There is no overall choice. Only Part B question include internal choice.

PART - A

(2 * 10 = 20 Marks)

1. Explain the challenges of Integration Testing.
2. What is Smoke-Sanity Testing?
3. What is traceability matrix?
4. List the necessity of introducing Testing from the very beginning of SDLC.
5. Explain how even a 99% bug free application might still not be usable if the user requirements are not met.
6. What will be the testing used for interaction between browsers and browser drivers.
7. List any 4 TestNG annotations, explain their usages.
8. Explain the different ways how to inspect an element?
9. List the types of TestNG reports?
10. What is Apache ANT?

PART - B

(16 * 5 = 80 Marks)

11. a) What are the seven principles of software testing? Explain them.

OR

b) With the help of the architecture, explain the components of selenium.

12. a) Explain about the testing Life Cycle.

OR

b) Why do we need Usability Testing and How to do Usability Testing?

13. a) Explain in briefly about the quality of the good manual tester and also differentiate between manual and automation testing.

OR

b) Describe about the White box testing and its types.

14. a) Why to do Automation Testing? What to Automate? What not to Automate?

OR

b) Describe about the Unit Testing and its techniques.

15. a) State the limitations and advantages of Selenium 3.x in detail.

OR

b) What do you mean by Test scenario, what is the advantage of having test scenarios and when not to use test scenarios? Also discuss how to design test cases for a given problem.