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Question Paper Code: U8205

B.E./B.Tech. DEGREE EXAMINATION, NOV 2023

Professional Elective

Computer Science and Engineering

21ITV 205-SOFTWARE TESTING AND AUTOMATION

(Régulations 2021)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1.	Why do we test Software?	CO1 –U
2.	What is the difference between white box testing and black box testing?	CO2- App
3.	What are the goals of test planning?	CO1-U
4.	Compare Test phases and Test strategy.	CO2-App
5.	What is objective testing in software testing?	CO1-U
6	What is test design in software testing?	CO1-U
7	What is recovery testing in software testing?	CO1-U
8	What is Fail-Over Testing?	CO1-U
9	What is Automated Software Testing?	CO1-U
10	What are the different types of drivers of Selenium WebDriver?	CO1-U

PART – B (5 x 16= 80Marks)

11. (a) As a developer you have developed a project. You realize that   CO2-App   (16)
without testing the project will be incomplete. Apply various
phases involved in Software Testing Life Cycle in your project
and complete the project.

Or

(b) ABS solutions limited have developed software for INC Banking. CO2-App (16)
They wish to test the software using Unit Testing. Apply Unit
Testing and test the software using unit testing and explain the
concept of Unit Testing in detail.

12. (a) Explain about the goal of Test Planning in detail CO1-U (16)

Or

(b) Explain about Bug Reporting and Test Scheduling in detail CO1-U (16)

13. (a) Explain about Boundary Value Analysis and explain the methods CO1-U (16)
such as Boundary Value Check, Robust testing, Worst – Case
testing and Robust worst case testing with examples.

Or

(b) Explain about Bug Life Cycle and their states in detail CO1-U (16)

14. (a) Explain the functional testing of a mobile application. CO1-U (16)

Or

(b) Explain agile testing methodologies with relevant examples. CO1-U (16)

15. (a) Explain about Selenium WebDriver and it's getting started with CO1-U (16)
test automation.

Or

(b) Explain about understanding Testing.xml using software testing CO1-U (16)
and automation.

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