Reg. No. : | | | | | | | | | | | |

Question Paper Code: U8205

B.E./B.Tech. DEGREE EXAMINATION, APRIL 2024

Professional Elective

Computer Science and Engineering

21ITV205 -SOFTWARE TESTING AND AUTOMATION

(Régulations 2021)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1.	Compare Errors, Errors and Faults (Defects)?	CO2-App
2.	What is system Testing in software Testing?	CO1-U
3.	What are the responsibilities of a software tester?	CO1-U
4.	How to identify Resource Requirement in software testing?	CO1-U
5.	What are the two types of path testing in software testing?	CO1-U
6.	Compare Boundary Value Analysis and Equivalence class testing?	CO2-App
7.	What is recovery testing in software testing?	CO1-U
8.	What is security testing in software?	CO1-U
9.	How do you automate testing for a web application?	CO1-U
10.	How will you locate the web element?	CO1-U

PART – B (5 x 16= 80 Marks)

11. (a) Explain about Software Testing Life Cycle in detail?   CO1-U   (16)

Or

(b) Explain about Unit Testing and Integration Testing in Detail?   CO1-U   (16)

12. (a) As a Developer Sara had done the Video viewer Application. She   CO2-App   (16)
needed to test the application. What are the Goals she needed to test
the software and explain how she can test the software by using the
goals?

Or

(b) ABC Private corporate limited wishes to do testing with their   CO2-App   (16)

Mobile Application project they are developed? They needed to schedule testing according to their project. Apply and explain the concept of Scheduling in the project and make detailed schedule to complete the project?

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

Or

(b) Explain about Data Flow Testing with Example in Detail with its Advantages? CO1-U (16)

14. (a) Illustrate the process of Load testing and their metrics. CO1-U (16)

Or

(b) What is performance testing and Explain the types of performance testing with example scenarios. CO1-U (16)

15. (a) Write a java code to automate Amazon Website by entering the website and explain the process involved in it? CO2-App (16)

Or

(b) Write an Example for Testing.Xml and various methods to achieve it? CO2-App (16)

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