

Reg. No. :

--	--	--	--	--	--	--	--	--	--

Question Paper Code: 99812

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

Elective

Information technology

19UIT912- Software Testing

(Regulations 2019)

Duration: Three hours

Maximum: 100 Marks

Answer All Questions

PART A - (10x 2 = 20 Marks)

1. Define software Testing. CO1- U
2. Summarize the objectives of software testing. CO1- U
3. Differentiate Black Box Testing and White Box Testing. CO1- U
4. What are the advantages of static testing as compared to dynamic testing? CO1- U
5. What is Bottom up integration Testing? And its advantages. CO1- U
6. Define integration testing. CO1- U
7. List the activities for testing group. CO1- U
8. List the responsibility for test engineer. CO2- App
9. What is test automation? CO3- U
10. What are the scopes for automation? CO3- U

PART – B (5 x 16= 80Marks)

11. (a) Illustrate with neat diagram for life cycle of bug. CO1-U (16)
Or
(b) Outline the goal of software testing and write short notes on the software testing principles. CO1-U (16)
12. (a) Briefly explain the Black-Box Testing Techniques with example. CO1-U (16)
Or
(b) Briefly explain the White-Box Testing Techniques with example. CO1-U (16)

13. (a) Explain in detail about Unit Validation Testing with example. CO1-U (16)
Or
(b) Explain in detail about Regression Testing with example CO1-U (16)
14. (a) Briefly explain the Organization Structures for Testing Teams and list out the various skills needed for test organization. CO1-U (16)
Or
(b) Briefly explain the Quality of Testing Metrics for Monitoring and Controlling the Testing Process with example. CO1-U (16)
15. (a) Write short notes on following: Need for automation and scope of automation in software testing. CO1-U (16)
Or
(b) Discuss the design and architecture for test automation with neat sketch. CO1-U (16)