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Question Paper Code: 59811

B.E./B.Tech. DEGREE EXAMINATION, SEP 2020

Elective

Information Technology

15UIT911- SOFTWARE TESTING

(Regulation 2015)

Duration: One hour

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any of the following Six Questions)

- Pick the best definition of quality CO1- U
(a) Quality is job one (b) Zero defects
(c) Work as designed (d) Conformance to requirements
- Lower and upper limits are present in which chart? CO1- U
(a) Run chart (b) Barchart
(c) Control chart (d) None of the mentioned
- Test Conditions are derived from CO2- U
(a) Test Design (b) Test Cases (c) Test Data (d) Specifications
- What is Cyclomatic complexity? CO2- U
(a) Black box testing (b) White box testing
(c) Grey box testing (d) Combination of all
- Shortcut key for Requirement menu bar is _____ CO3- R
(a) F1 (b) F9 (c) Ctrl + R (d) Alt + Shift + R
- Which activity is carried out first? CO3- R
(a) Verification (b) Validation (c) Both (a) & (b) (d) None of the above
- Before handing over the software to the client, which testing is to be done in-house? CO4- R
(a) Alpha (b) Beta (c) Gamma (d) Theta

8. Software risk always involves two characteristics. What are those characteristics? CO4- U
- (a) Uncertainty and Loss (b) Certainty and Profit
- (c) Staff size and Budget (d) Project Deadline and Budget
9. What is the crucial requirement of software testing tool ? CO4- R
- (a) OS dependence (b) Data Driven Capability
- (c) Customizable reporting (d) None of the above
10. Which of the following is not a part of Performance Testing? CO4- R
- (a) Measuring Transaction Rate. (b) Measuring Response Time
- (c) Measuring the LOC. (d) None of the above

PART – B (3 x 8 = 24 Marks)

(Answer any Three of the following Questions)

11. Summarize the process involved in the software testing principles with a neat diagram. CO1- U (8)
12. Compare and contrast the black box and white box testing with a suitable example. CO2- App (8)
13. Explain the model based testing for the software product with suitable example. CO3- U (8)
14. Explain and draw the process of object oriented testing for a software product CO3- U (8)
15. Explain about the test automation and summarize the testing career decisions to automate a system. CO4- U (8)