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Question Paper Code: 59811

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2018

Elective

Computer Science and Engineering

15UIT911- SOFTWARE TESTING

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 1 = 5 Marks)

1. When Testing should be stopped? CO1- R
 - (a) When manager asks to stop
 - (b) When time runs out
 - (c) When enough money are spend on testing
 - (d) It depends on risk associated with that project
2. Which of the following Review Technique is / are not time bound? CO2- R
 - (a) Inspection
 - (b) walkthrough
 - (c) Both of These
 - (d) None of These
3. System Testing is a _____. CO3- R
 - (a) Black box testing
 - (b) White box testing
 - (c) Grey box testing
 - (d) Both a and b
4. What is the purpose of test completion criteria in a test plan: CO4- R
 - (a) To plan when to stop testing
 - (b) To know when a specific test has finished its execution
 - (c) To ensure that the test case specification is complete
 - (d) To set the criteria used in generating test inputs

5. Find out the functionality which is not associated with the Business layer CO5- R
- (a) Transaction processing (b) User authentication
- (c) Data validation (d) Data Verification

PART – B (5 x 3= 15Marks)

6. What is test case? What are the information it contains? CO1- R
7. Write the role of scribe in testing the software. CO2- R
8. What is extreme programming? CO3- R
9. List out the tools that support the testing life cycle. CO4- R
10. List out the challenges associated with testing internet based applications.. CO5- R

PART – C (5 x 16= 80Marks)

11. (a) Describe the defects with an coin problem CO1- U (16)
- Or
- (b) Outline the possible defects that may occur in searching an element in an array. CO1- U (16)
12. (a) Explain the concept of Equivalence class partitioning and boundary value analysis with example. CO2-App (16)
- Or
- (b) Describe the difference between Static testing and structural testing CO2-App (16)
13. (a) Explain in detail about various types of integration testing CO3-U (16)
- Or
- (b) Create the various UML diagrams for Banking application CO3-U (16)
14. (a) What is ATLM? Explain the benefits of ATLM. CO4- Ana (16)
- Or
- (b) Write in detail about the benefits of automated testing. CO4- Ana (16)
15. (a) Analyze the bugs found while mobile testing? CO5- Ana (16)
- Or
- (b) Explain in detail about architecture of E-commerce site. CO5- Ana (16)