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**Question Paper Code: 59811**

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2019

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. Equivalence Partitioning comes under which type of Testing? CO2- R
  - (a) White Box Testing
  - (b) Black Box Testing
  - (c) Grey Box Testing
  - (d) None of the above
  
3. Which testing is concerned with behavior of whole product as per specified requirements? CO3- R
  - (a) Acceptance testing
  - (b) Component testing
  - (c) System testing
  - (d) Integration testing
  
4. Which of the following criteria is used to ascertain test cases to be automated? CO4- R
  - (a) Test cases that are very tedious or difficult to perform manually
  - (b) Test cases which are time consuming
  - (c) Test cases that are executed repeatedly
  - (d) All of these

5. The standard Android testing strategy must include the following test CO5- R
- (a) unit Testing (b) alpha Testing
- (c) beta testing (d) gamma testing

PART – B (5 x 3= 15Marks)

6. Identify the qualitative attributes for an online shopping application CO1- R
7. List out the people who are associated with testing. CO2- R
8. What is extreme programming? CO3- R
9. Mention the benefits of automated testing. CO4- R
10. While performing end to end mobile testing what are the major criteria, you have to take in consideration? CO5- R

PART – C (5 x 16= 80Marks)

11. (a) Programmer A and Programmer B are working on a group of interfacing modules. Programmer A tends to be a poor communicator and does not get along well with Programmer B. Due to this situation, what types of defects are likely to surface in these interfacing modules? What are the likely defect origins? Share your idea how to overcome these types of defects CO1- App (16)
- Or
- (b) Outline the possible defects that may occur in searching an element in an array. CO1- App (16)
12. (a) Explain the concept of Equivalence class partitioning and boundary value analysis with example. CO2-App (16)
- Or
- (b) Suppose you have developed a module with the following condition statement: CO2-App (16)
- If(age<65 and married= = true)
- do X
- do Y....
- else
- do Z
- Create table for
- (i) simple decision coverage
- (ii) condition coverage
- (iii) Decision/condition coverage

13. (a) Explain in detail about various types of integration testing CO3-U (16)  
Or  
(b) Write in detail about life cycle management testing CO3-U (16)
14. (a) Explain in detail about the automated test tool selection process CO4- U (16)  
Or  
(b) Write in detail about test team management CO4- U (16)
15. (a) Suppose you have a Login form which is connected to an Authentication Web Service. What tests would you perform at which layer? Elaborate it. CO5- U (16)  
Or  
(b) Explain in detail about architecture of E-commerce site. CO5- U (16)

