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**Question Paper Code : 65014**

5 Year M.Sc. DEGREE EXAMINATION, MAY/JUNE 2013.

Seventh Semester

Software Engineering

XSE 471— SOFTWARE TESTING

(Regulation 2003)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What do you mean by defects Software?
2. What is the main role of testers in Software Testing?
3. Differentiate between verification and validation.
4. What is work bench concept?
5. List any four software testing tools.
6. Define functional testing.
7. Write one example to develop a test plan.
8. Define multiplatform environment with an example.
9. Define data warehouse.
10. Write one example for Test Technique Matrix.

PART B — (5 × 16 = 80 marks)

11. (a) (i) Briefly explain the roles of tester and quality team in software testing. (8)
- (ii) Explain how to build a software testing environment in detail with an example. (8)

Or

- (b) (i) Explain the system lifecycle testing with its merits and demerits in detail. (10)
- (ii) Write detail note on Structure approach and software strategies in detail. (6)

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12. (a) (i) Explain the steps involved in tools selection process in detail. (8)  
(ii) Explain any 2 software testing tools in detail. (8)

Or

- (b) (i) Explain the conditions are to be considered in developing Testing methodologies. (8)  
(ii) Explain structure system Testing Techniques in detail. (8)
13. (a) (i) Write detail note on Test factor and Test Technique Matrix with an example. (10)  
(ii) Explain the managers in software testing tools. (6)

Or

- (b) Briefly explain the any 3 black box testing strategy with an example and merits. (16)
14. (a) (i) What do you mean by boundary value test cases? Explain it with your own example. (8)  
(ii) Explain how to evaluate the software effectiveness detail with an example. (8)

Or

- (b) Briefly explain any four types of testing are used to check the following factors in testing.
- (i) Performance
  - (ii) Access control
  - (iii) Methodology test factor
  - (iv) Program phase

15. (a) (i) Explain how to test the client/server system in detail. (8)  
(ii) Consider the application to cancel the e-tickets railway reservation. Write the test cases to cancel the ticket with PHR number. (8)

Or

- (b) (i) Explain the overview of Rapid application Development with an example. (10)  
(ii) Write detail note on Web based system and Off the shelf software. (6)