Reg. No. :

Question Paper Code: 34022

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2017

Fourth Semester

Computer Science and Engineering

01UCS402 - SOFTWARE TESTING

(Regulation 2013)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions.

PART A - (10 x 2 = 20 Marks)

1. Define Testing.

2. What do you mean by Test case?

3. Write the two basic testing strategies used to design test cases.

4. List the methods of White box testing.

5. Define test harness.

6. Give the examples of security testing.

7. Define Work Breakdown Structure.

8. List the importance of test plan.

9. Define Defect Removal Leverage.

10. Define test measurement process.

PART - B (5 x 16 = 80 Marks)

11. (a) Write and explain the Software testing principles in detail. (16)

Or

(b) Explain the origin of defect and its classes with its repository in detail. (16)

12. (a) What is Equivalence class partitioning? List rules used to define valid and invalid equivalence classes. Explain the technique using example. (16)

Or

(b) Explain positive and negative testing in detail with example. (16)

13. (a) Describe the activities or task and responsibilities for developer or tester in support of multilevel testing. (16)

Or

(b) Explain in detail System and validation Testing and all its types. (16)

14. (a) Write any four IEEE recommended test related documents in detail. (16)

Or

(b) Explain Organizational structures for testing teams in detail. (16)

15. (a) Explain the five stop-test criteria that are based on quantitative approach. (16)

Or

(b) Describe in detail about Software test automation. (16)

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