Reg. No. : ☐☐☐☐☐☐☐☐☐☐

Question Paper Code: 31242

B.E. / B.Tech. DEGREE EXAMINATION, MAY 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 software testing.

2. What do you mean by software defect? Write one example.

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

4. State the need for code functional testing in test case design.

5. Define test harness.

6. List out the types of system testing.

7. What are business impacts of globalization?

8. List the importance of test plan.

9. What should be included in milestone report for testing.

10. Define test measurement process.

11. (a) Explain in detail about the principles of testing. (16)

Or

(b) With suitable examples explain the various types of defects and their effects. (16)

12. (a) Explain the test factors that must be followed to design a customized test strategy. (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) How the salient aspects of object orientation affect software testing? Explain the differences in object oriented testing. (16)

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

Or

(b) Discuss testing team structure for single product companies. (16)

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

Or

(b) Explain the design and architecture for automation. (16)

———————————

31242