Reg. No. : | | | | | | | | | | |

Question Paper Code: 34202

B.E. / B.Tech. DEGREE EXAMINATION, DEC 2020

Fourth Semester

Computer Science and Engineering

01UCS402 - SOFTWARE TESTING

(Regulation 2013)

Duration: 1:15hrs Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

1. A _____ Specialist is trained as an engineer has knowledge of test related principles, processes, measurements, standards, plans, tools and methods and learns how to apply them to the testing tasks to be performed.

   (a) Test (b) Coding

   (c) Design (d) Maintenance

2. CMM model refers to

   (a) Computer Maturity Model (b) Capability Maturity Model

   (c) Capability Multi Model (d) Computer Multi Model

3. In the _____ Box approach, tester has no knowledge of the inner structure i.e. how the software works.

   (a) White (b) Red (c) Black (d) None of these

4. Equivalence class partitioning can be strengthened by

   (a) Boundary value analysis (b) Error limitation analysis

   (c) Time limitation analysis (d) Cost limitation analysis

5. Which one of the following is not a type of system test?

(a) Security test (b) Recovery test

(c) Reliability test (d) Availability test

6. Regression test is used for

(a) Only for upgraded software from existing version
(b) Only for newly created software version
(c) Only for existing software version
(d) None of these

7. Work Breakdown Structure (WBS) has _____ representation.

(a) Linear (b) Loop (c) Tree (d) Circle

8. COCOMO model is used for

(a) Testing new project (b) Upgrade existing projects
(c) Planning non existing projects (d) Documentation

9. The main aim of milestones in the software testing is

(a) Testing (b) Casting
(c) Estimation (d) Scheduling

10. The _____ plans for inspection, sets the date, invites the participants, distributes the required documents, runs the inspection meeting, appoints a recorder to record results and monitors the follow up period after the review.

(a) Requirement Analyst (b) Requirement Analyst

(c) Developer (d) Inspection Leader

PART – B (3 x 8= 24 Marks)

(Answer any three of the following questions)

11. Write and explain the Software testing principles in detail. (8)

12. What is Equivalence class partitioning? List rules used to define valid and invalid equivalence classes. Explain the technique using example. (8)

13. Describe the activities or task and responsibilities for developer or tester in support of multilevel testing. (8)

14. Write any four IEEE recommended test related documents in detail. (8)

15. Explain the five stop-test criteria that are based on quantitative approach. (8)