Total No. of Questions : 8]   [Total No. of Printed Pages :2

Roll No ....

MSE-204
M.E./M.Tech., II Semester
Examination, June 2017
Software Verification Validation and Testing

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

    ii) All questions carry equal marks.

1. How do you prepare classes in equivalence class partitioning method? Give example of designing test cases with this method.

2. a) Explain with an example on your own how white box and black box testing are being carried out.

    b) What is mutation testing? Explain with the help of suitable example.

3. a) Explain the difference between software verification and validation. Also discuss the activities performed in each.

    b) What is boundary value analysis? Explain with the help of suitable example.

4. What is failure? What is testing methodology? Explain testing life cycle model.

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5. Explain the following with the help of suitable example.

    i) Reducing number of test cases

    ii) Testing metrics

6. a) What is good test case? Explain various testing principles.

    b) Give method for verifying HLD and LLD.

7. Write short notes :

    i) Load Runner

    ii) Win Runner

8. Write a program for calculate factorial for a given number. Draw DD graph for this program and design test cases using basis path testing.

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