Elective-II : IT 705 : Software Testing

P. Pages : 2

Time : Three Hours

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Notes : 1. All questions carry marks as indicated.
2. Due credit will be given to neatness and adequate dimensions.
3. Assume suitable data wherever necessary.
4. Illustrate your answers wherever necessary with the help of neat sketches.

1. a) What is testing role in a software development organization ? Explain in detail. **8**

b) Explain defect life cycle with proper block diagram in detail. **8**

OR

2. What is a defect ? Explain its types with example in detail. **16**

3. a) What is defect submission ? Explain defect submission process for medium & small scale organization with proper block diagram. **8**

b) What is software testing ? Why testing is done ? **8**

OR

4. a) What are the skills required for smarter tester. **8**

b) Write notes on : **8**
i) Static testing
ii) Structural testing

5. Write notes on **any four.** **16**

i) Code coverage testing.

ii) Statement coverage.

iii) Path coverage.

iv) Condition coverage

v) Function coverage

OR

6. Write short notes on : **16**

i) System testing.

ii) Regression testing

iii) Ad-Hoc testing

iv) Usability & Accessibility testing.

7. a) What are the advantages of test planning ? Also explain the various components of test planning ? **10**

   b) Write a note on test management. **6**

OR

8. Write short notes on : **16**

   i) Test planning.

   ii) Test plan attachment

   iii) Policy development

   iv) Test process

9. a) What are the characteristics of modern testing tools. **8**

   b) Write down the advantages of automated testing. **8**

OR

10. Write & list the main features of : **16**

   i) Rational Robot

   ii) Win Runner

   iii) Lead Runner

   iv) Silk test

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