USCST11.4 - Elective-IV - Computer Science Paper-I : Software Testing

P. Pages : 2

Time : Three Hours

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* 1 8 9 4 *

Max. Marks : 50

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Notes :   1.   All questions are compulsory and carry equal marks.
2.   Draw neat and labeled diagram and use supporting data wherever necessary.
3.   Avoid vague answers and write specific points/answer related to questions.

Either:

1.   a)   Explain in detail Role of Tester in the Software Organization.   **5**

b)   What are the principle of the Testing? Write in detail.   **5**

OR

c)   Write in detail about Defect Prevention Strategies.   **5**

d)   Explain the concept of Testing as an Engineering Activity in detail.   **5**

Either:

2.   a)   Write in detail Black Box Approach to Test Case Design.   **5**

b)   Explain in detail Test Case Design Strategies.   **5**

OR

c)   Write a short note on following.   **5**

i)   Cause-effect graphing   ii)   Error guessing

d)   What is code complexity testing? Write its example.   **5**

Either:

3.   a)   Why there is a need for levels of testing? Explain.   **5**

b)   Explain the process of Designing Integration Tests.   **5**

OR

c)   Write in short-   **5**

i)   System Testing   ii)   Acceptance testing

d)   Explain in detail the process of Running the Unit tests and Recording results.   **5**

Either:

4. a) What is organization structures for testing teams? Explain in detail. **5**

b) What are the various Test Plan Components? Write in detail. **5**

OR

c) What is the role of three groups in Test Planning and Policy Development? Explain. **5**

d) Write in detail about the skills needed by a test specialist. **5**

5. Attempt all questions.

a) Write a short note on testing axioms. **2½**

b) Differentiate between static testing vs structural testing. **2½**

c) Explain in short about Unit Test. **2½**

d) Write a short note on Building a Testing Group. **2½**

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