PSCST09 - Paper-I : Software Testing Tools and Methodology

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

Either:

1. a)   Define Testing. Explain the basic concept and purpose of testing.   **8**

        b)   Explain the waterfall model in detail.   **8**

OR

        c)   Explain the Agile Methodology in detail.   **8**

        d)   Explain the following-   **8**

             i)   Module

             ii) Integration

Either:

2. a)   Explain the concept of path testing and it's predicates in detail.   **8**

        b)   Write a note on strategies in Dataflow Testing.   **8**

OR

        c)   Explain the following-   **8**

             a)   Path

             b)   Domain Testing

        d)   Explain the Domain and Domain Interface Testing in detail.   **8**

Either:

3. a)   Explain the following-   **8**

             i)   Control flow

             ii) Data flow

        b)   Explain the concept of Black Box testing and Boundary value Analysis in brief.   **8**

OR

c)   Difference between white box testing and black box testing.   **8**

d)   Explain the following-   **8**

    a)   Path Coverage.

    b)   Gray Box Testing.

Either:

4.   a)   Explain the tools for test management and control in detail.   **8**

b)   Explain the following-   **8**

    i)   Static Testing

    ii)   Dynamic Testing

OR

c)   Explain the Test Tools & various tools selection in brief.   **8**

d)   Explain the concept of cost Effectiveness of Tool in brief.   **8**

5.   Attempt all the questions.

    a)   Explain the model for Testing.   **4**

    b)   Write an Application of Dataflow Testing.   **4**

    c)   Explain the Advanced Black Box Techniques in brief.   **4**

    d)   Explain the concept of OO Testing in detail.   **4**

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