## PSCST09 - Paper-I : Software Testing Tools and Methodology

P. Pages : 2

Time : Three Hours

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*3172*

**GUG/S/19/11232**

Max. Marks : 80

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Notes : 1. All the questions are compulsory and carry equal marks.
2. Draw neat and labelled diagrams wherever necessary.
3. Avoid vague answers.

**1.** Either

a) What is Testing? Describe the purpose testing in brief. **8**

b) Write a brief note on : **8**
   i) Waterfall Model        ii) V Model

**OR**

c) What is Agile Methodology? Describe its impact on testing in brief. **8**

d) Explain the Test Levels in brief. **8**

**2.** Either

a) What is Path Testing? Describe its concept in brief. **8**

b) Write a brief note on Transaction flow Testing. **8**

**OR**

c) What strategies to be considered in Dataflow Testing? Write the applications of Dataflow Testing. **8**

d) Write a brief note on: **8**

   i) Nice and Ugly Domains

   ii) Path Sensitizing

**3.** Either

a) Write a brief note on: **8**
   i) Control flow and Data flow
   ii) Structured Group Examinations

b) What is Black box testing? Explain why it is required? **8**

**OR**

c) Explain Boundary value analysis in detail. Also explain the state transition test. **8**

d) What is White Box Testing? Explain the path coverage and Test of conditions in brief. **8**

**4.**     Either

  a)   Explain the Tools for test management and control in detail. Also describe the test     **8**
       specifications in short.

  b)   What is Non-functional Testing? Explain in brief with suitable example.                 **8**

                                           **OR**

  c)   Write a brief note on:                                                                   **8**
       i)   Requirement Tracker
       ii)  Testing Tools

  d)   Explain the concept of testing object oriented softwares in brief.                       **8**

**5.**     Attempt all the questions.

  a)   What are the general principle of Testing? Explain.                                      **4**

  b)   Explain Domain Testing in short.                                                         **4**

  c)   Write a short note on Intuitive and experience Based Testing.                            **4**

  d)   Explain Test Specifications in detail.                                                   **4**

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