

M.Sc.(Computer Science)-II (CBCS Pattern) Third Semester  
**PSCST09 - Software Testing Tools and Methodology Paper-I**

P. Pages : 1

Time : Three Hours



**GUG/W/18/11232**

Max. Marks : 80

- Notes :
1. All question are compulsory and carry equal mark.
  2. Draw well labelled diagram wherever necessary.
  3. Avoid vague answers and write relevant and specific answers to questions.

1. EITHER:-
- a) Explain various test levels in detail. 8
  - b) Discuss the role of process in software quality. 8
- OR**
- c) Explain the various software testing principles. 8
  - d) Discuss waterfall model in detail. 8
2. EITHER:-
- a) What is path sensitization? Explain heuristic procedure used for it? 8
  - b) Discuss domain testing in detail. 8
- OR**
- c) Explain transaction flow techniques in detail. 8
  - d) Compare the transaction testing strategies with the data-flow testing strategies. 8
3. EITHER:-
- a) Explain the advanced black box techniques in detail. 8
  - b) What is static testing? Explain the concept of determining metrics. 8
- OR**
- c) Write a detail note on Gray box testing. 8
  - d) Explain intuitive and experience based testing. 8
4. EITHER:-
- a) Explain the various testing tools in detail. 8
  - b) Write a detail note on high level Review. 8
- OR**
- c) Discuss the object oriented testing concept in detail. 8
  - d) Explain functional testing in detail. 8
5. Solve all the questions.
- a) Why testing is necessary? Explain. 4
  - b) Explain path testing in brief. 4
  - c) Write a short note on control flow in static testing. 4
  - d) Explain Requirement tracker in brief. 4

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