

Duration : 3 hours

Total Marks : 80

- N.B. (1) Question No.1 is compulsory**
(2) Answer any THREE of the remaining questions
(3) Figures to the right indicate full marks

1. Write short notes on **any four:** (20)
 - (a) Integration Testing
 - (b) ISO 9126 quality characteristics
 - (c) Incident Reporting
 - (d) Risk Management
 - (e) Review process

2. (a) What is SQA planning ? (10)
(b) What is defect metrics? (10)

3. (a) What are the different test tool selection criteria? Give steps required to select a tool. (10)
(b) Explain in detail W-Model. (10)

4. (a) Explain the difference between functional and non-functional testing. Explain load testing, performance testing and stress testing. (10)
(b) Explain the test objectives, test environment and test strategies for unit testing. (10)

5. (a) Compare black box testing and white box testing. Explain with the help of an example. (10)
(b) What is State Transition Testing Technique? Draw the transition tree for a Stack. (10)

6. (a) Explain Test Metrics with example (10)
(b) Explain ISO 9000:2000 requirements. (10)
