

Please check that you have got the correct question paper.

- N. B.: (1) All questions are compulsory.
 (2) Makes suitable assumptions wherever necessary and state the assumptions made.
 (3) Answers to the same question must be written together.
 (4) Numbers to the right indicate marks.
 (5) Draw neat labeled diagrams wherever necessary.
 (6) Use of Non-programmable calculators is allowed.

SECTION – I

1.
 - a. Compare the following 7
 1. Static testing & Dynamic testing
 2. Manual testing & Automated Testing
 - b. Explain how to select appropriate testing tools. 6
- OR**
1.
 - a. What are the objective of appointing a tool managers? List three steps used by the manger to manage the use of IT tools. 7
 - b. “Too little testing is a crime. Too much testing is sin.” Discuss 6
 2.
 - a. Write a short note on V- Concept of testing. 7
 - b. State & explain any four test factors in details 6
- OR**
2.
 - a. Explain the program phase testing in detail. 7
 - b. List & explain the component of application fit. 6
 3.
 - a. Explain the testing process of Rapid Application Development (RAD). 6
 - b. With the help of the workbench explain the testing process of testing a client server system. 6
- OR**
3.
 - a. Explain the PDCA strategy / concept used in software development process. 6
 - b. What are advantages and disadvantages of COTS? How will you test it? 6

[TURN OVER]

SECTION II

4.
 - a. List and explain different types of viruses. 7
 - b. With suitable example explain how we can provide user authentication. 6
- OR**
4.
 - a. Explain the various types of computer criminals. 7
 - b. Explain the terms vulnerabilities, threats & controls with respect to internet security. 6
5.
 - a. What are the attacks on passwords? Explain password selection criteria. 6
 - b. What is fragmentation and explain why fragmentation is used? 6
- OR**
5.
 - a. What makes network vulnerable? Explain the architecture of network security control. 6
 - b. Explain different designs for multilevel secure database. 6
6.
 - a. List & explain the characteristics of good security plan. 6
 - b. Write a short note on copyright, patent & trade secret. 6
- OR**
6.
 - a. Explain the following in detail. 6
 1. Session hijacking
 2. Man-in-middle Attack
 - b. What is meant by contingency planning? What are the various measures to be taken after the crisis occur? 6