

NOVEMBER/DECEMBER 2018

**MCS25A — SOFTWARE TESTING**

Time : Three hours

Maximum : 75 marks

**SECTION A — (5 × 6 = 30 marks)**

Answer ALL questions.

1. (a) Write a short note on Path Sensitization.

Or

- (b) Explain Data Bugs in detail.

2. (a) What are the Basics of dataflow testing?

Or

- (b) Explain: Inspections, Reviews and Walkthroughs.

3. (a) Explain the Application of Path Testing.

Or

- (b) With neat diagram, explain the schematic representation of domain testing.

4. (a) Explain Two Variables in KV Chart.

Or

- (b) Write a short note on Decision-Table Processors.

5. (a) Explain Powers of a Matrix.

Or

- (b) Write a short note on Equivalence Relations.

**SECTION B — (3 × 15 = 45 marks)**

Answer any THREE questions.

6. Describe the Model for Testing.

7. Illustrate the Transaction Flow Graphs with examples.

8. Explain: Domain Testing Strategy in detail.

9. Discuss the Decision-Tables as basis for Test Case Design.

10. Explain: Node Reduction Algorithm in detail.