

APRIL/MAY 2019

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 Instrumentation.

Or

- (b) Explain the concept of Coding Bugs.

2. (a) What is Path Selection? Explain.

Or

- (b) What is Data Flow Testing? Explain.

3. (a) Explain the steps of Basis Path Testing.

Or

- (b) Write a short note on UGLY Domains.

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

Or

- (b) Write a short note on Decision-Tables and Structure.

5. (a) Explain the Node Reduction Algorithm.

Or

- (b) What are differences between symmetric Relations and Anti-symmetric Relations?

SECTION B — (3 × 15 = 45 marks)

Answer any THREE questions.

6. Describe the concept of Test Design.

7. Illustrate Transaction Flow Graphs with its usage.

8. Explain the following :

(a) Domains

(b) Paths and Predicates

9. Discuss in detail the Rules of Boolean Algebra.

10. Describe the following :

(a) Transitive Relations

(b) Reflexive Relations.