

✓ compute

NOVEMBER/DECEMBER 2018

**MCS31 — DISTRIBUTED OPERATING
SYSTEMS**

Time : Three hours

Maximum : 75 marks

SECTION A — (5 × 6 = 30 marks)

Answer ALL questions.

1. (a) What are the Advantages of Distributed Environment? Explain.

Or

- (b) Explain desirable features of good message passing system.

2. (a) Write a short note on Communication Protocol.

Or

- (b) How is optimization of RPC done to enhance the performance?

3. (a) How computer clocks are implemented? Explain.

Or

- (b) Write about Centralized Algorithm for Mutual Exclusion.

4. (a) Give the comparison between Hadoop and RDBMS.

Or

- (b) Write a brief History of Hadoop.

5. (a) Give an account on Reducer.

Or

- (b) Explain about Remote Debugger.

SECTION B — (3 × 15 = 45 marks)

Answer any THREE questions.

6. Explain in detail the various model of distributed Computing.

7. Describe in detail about RPC Model.

8. Write in detail about Bully Algorithm.

9. Describe about Data Storage and Analysis in detail.

10. Elaborate on Configuration API Components in Hadoop.