MCS31 — DISTRIBUTED OPERATING SYSTEMS

Time : Three hours   Maximum : 75 marks

SECTION A — (5 × 6 = 30 marks)

Answer ALL questions.

1.   (a)   Why are distributed computing systems gaining popularity? Justify.

Or

(b)   Discuss about Group Communication.

2.   (a)   What is a stub? Elaborate.

Or

(b)   What is Exception Handling? Explain.

3.   (a)   Write short notes on Clock Synchronization.

Or

(b)   Give a brief note on Threads.

4.   (a)   Discuss on Data Storage and Analysis.

Or

(b)   Explain the concept of Hadoop Streaming.

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5. (a) What is Configuration API? Explain.

                    Or

    (b) Write short notes on Map Reduce Workflows.

         SECTION B — (3 × 15 = 45 marks)

            Answer any THREE questions.

6. Briefly explain the various distributed computing system models.

7. Elaborate various communication protocols for RPCs.

8. Give a detail account in Election algorithms and its usage

9. How will you analyse the Data with UNIX Tools? Explain.

10. Explain the process of Running Locally on Test Data.

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