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Roll No

CS-702-GS

B.E. VII Semester

Examination, December 2020

Grading System (GS)

Distributed Systems

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. What are the characteristics of distributed file system, explain each of them in brief.
2. a) Draw DSM Architecture and explain it.
b) Discuss about implementations issues in DSM system.
3. a) Explain about consistency model.
b) Write Desirable features of good distributed file system.
4. a) Explain briefly-
 - i) Clock Synchronization
 - ii) Election Algorithms
b) Discuss the MWN issues in designing a transparent RPC mechanism.

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5. Elucidate about file service architecture with neat diagram.
6. What is role of middleware in distributed system? Name three middleware technologies.
7. Discuss the difference between the workstation server and the Processor-pool models from the performance viewpoint.
8. Mutual exclusion and deadlocks are more probable in distributed operating system? Justify your answer and provide alternative solution.

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