Code: 9A05604

R09

B.Tech III Year II Semester (R09) Supplementary Examinations May/June 2016

DISTRIBUTED SYSTEMS

(Computer Science and Engineering)

Time: 3 hours Max. Marks: 70

Answer any FIVE questions

All questions carry equal marks

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1 (a) Explain the architectural styles of a distributed system.
(b) How the openness of a distributed system is achieved

2 What are the requirements of a distributed file system?

3 (a) Explain the storage organization of ocean store objects.
(b) What are the types of identification used in ocean store?

4 (a) What are overlapping groups?
(b) What are the problems of agreement?

5 What is multiversion timestamp ordering? List out and explain supporting rules.

6 (a) Explain how two-phase commit protocol works for nested transactions.
(b) Discuss the role of commit and abort operations in nested transactions.

7 (a) Explain birthday attack with example. What is birthday paradox?
(b) List out and explain the features of MD5 and SHA-1 algorithms.

8 Discuss other consistent models with examples in a Distributed Shared Memory.

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