

Code: 9A05604

B.Tech III Year II Semester (R09) Supplementary Examinations May/June 2017

DISTRIBUTED SYSTEMS

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) What is the need for concurrency in a distributed system? How it is achieved?
(b) What is transparency? What are the different kinds of transparency?
- 2 (a) What is RMI software? Explain.
(b) How the Remote objects are activated? Explain.
- 3 (a) What are DNS source records?
(b) How the Navigation and Query processing are done in DNS?
- 4 With the help of an algorithm, explain casual ordering.
- 5 (a) List out and explain locking rules for nested transactions with example.
(b) How non-serially equivalent operations of transactions are executed? Explain with example.
- 6 Describe the role of recovery manager in two phase commit protocol.
- 7 List out the features of TLS. Explain protocol stack.
- 8 (a) How language mapping is presented in CORBA? Explain with example.
(b) Explain the procedure to integrate CORBA with web services.
