

Code: 9F00405a

MCA - IV Semester Supplementary Examinations, October/November 2012

DISTRIBUTED SYSTEMS

(For students admitted in 2009 & 2010 only)

Time: 3 hours

Max Marks: 60

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Give an account an internet protocols.
(b) Define distributed systems and its goals.
- 2 (a) Explain in detail about client-server, communication.
(b) Give an account an external data representation and marshalling.
- 3 Explain the following:
(a) Remote procedure call.
(b) RMI with neat diagram.
- 4 (a) What is thread and their design issues for thread package.
(b) Give a short notes on:
(i) Workstation model. (ii) Processor pool model.
- 5 (a) Write a short notes on file service architecture.
(b) Discuss about the Andrew file system.
- 6 Explain the following:
(a) Directory services.
(b) Electron algorithm.
(c) Time stamp ordering.
- 7 Explain the following:
(a) Digital signatures.
(b) Hierarchical and group masking faults.
(c) Atomic transactions.
- 8 (a) Explain about consistency models.
(b) Give an account on chorus.
