

Code: 9A05703

R09

B.Tech IV Year I Semester (R09) Supplementary Examinations, May 2013

GRID AND CLUSTER COMPUTING

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 What are the components of grid computing architecture?
- 2 Illustrate the parallel programming models and its paradigms.
- 3 (a) What is grid computing? Explain its applications.
(b) Explain cluster computing architecture.
- 4 (a) Give the web services architecture with neat explanation.
(b) Explain GATOSTAR architecture.
- 5 (a) Write OGSA architecture and its goals.
(b) Illustrate the OGSA platform components.
- 6 Explain about OGSI.NET framework and its services.
- 7 Explain briefly about Globus GT₃ toolkit.
- 8 (a) Discuss about grid services.
(b) Discuss architecture of distributed applications.
(c) Discuss about parallel computing.
