

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VII • EXAMINATION – SUMMER • 2014****Subject Code: 173202****Date: 29-05-2014****Subject Name: Advance Computing****Time: 02:30 pm - 05:00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Explain Cluster Classification in detail **07**
(b) Define term workload in Cloud computing. Explain types of workload in Cloud. **07**
- Q.2** (a) Explain pros and cons of cloud computing **07**
(b) What is Distributed System? Explain the Advantage and disadvantages of distributed system. **07**
- OR**
- (b) What is meaning of memory latency? How memory latency can be improved by cache? **07**
- Q.3** (a) Explain the application of grid computing. **07**
(b) Discuss in detail the history of grid computing. **07**
- OR**
- Q.3** (a) Explain I-Way project in detail. **07**
(b) What is significance of Paas? Explain the role of Google's App engine platform in Paas. **07**
- Q.4** (a) Define & Explain Public, Private and Hybrid Clouds. **07**
(b) Explain Berkeley Now Cluster in detail. **07**
- OR**
- Q.4** (a) Draw and Explain Layers of Grid Architecture in detail. **07**
(b) Explain the Flexible Load Sharing algorithm in detail. **07**
- Q.5** (a) Explain the Superscalar execution with suitable example. **07**
(b) What is Cluster middleware? Explain design goal of middleware in Cluster computing **07**
- OR**
- Q.5** (a) Explain Amazon EC2 Project with its contribution in Iaas. **07**
(b) Explain the important parameters for the protection of that data **07**
