

GUJARAT TECHNOLOGICAL UNIVERSITY**M. E. - SEMESTER – II • EXAMINATION – SUMMER • 2013****Subject code: 1722306****Date: 05-06-2013****Subject Name: Cloud and Grid Computing****Time: 10.30 am – 01.00 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) What is Grid computing? What are various types of grids? Give the benefits and limitations of grid computing. **07**
- (b) Discuss the general architecture for the grid computing. **07**
- Q.2** (a) What is importance of middleware in building grid computing environment? Give an example of such middleware with its features. **07**
- (b) What is cloud computing? What it is not? Give the major characteristics of the cloud computing. **07**
- OR**
- (b) Give the architecture of cloud computing and discuss about the cloud services. **07**
- Q.3** (a) Discuss the five major benefits of the cloud computing and provide the two major disadvantages of it with reasons. **07**
- (b) Discuss about collaborating on : schedules, contact lists, event schedules and management. **07**
- OR**
- Q.3** (a) What is Software as a Service? Discuss about the services and tools offered by different companies for it. **07**
- (b) Discuss the use of cloud computing for corporations. **07**
- Q.4** (a) Discuss the Google calendar as cloud service in depth. **07**
- (b) Discuss about collaboration on databases with at least two examples. **07**
- OR**
- Q.4** (a) Justify that event management is suitable as an application on cloud. Discuss the event management application offered by Conference.com. **07**
- (b) Discuss about collaboration on project management with at least two examples. **07**
- Q.5** (a) Discuss an application suitable for grid computing. **07**
- (b) Explain the issues and solution of grid security. **07**
- OR**
- Q.5** (a) Discuss the scheduling issues in the grid computing. **07**
- (b) Discuss regarding the Sun grid engine. **07**
