

GUJARAT TECHNOLOGICAL UNIVERSITY**M. E. Sem. – IInd - Examination – June/July- 2011****Subject code: 1720106****Subject Name: Grid Computing****Date: 29/06/2011****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** Answer the following questions.
1. Write a note on Grid Security. **03**
 2. How cloud computing helps to collaborate on contact list ? **03**
 3. How cloud computing helps to create centralized E mail communication? **03**
 4. Write in brief SETI Grid Project. **03**
 5. What is virtual community in cloud? **02**
- Q.2 (a)** Answer the following questions.
1. Discuss layered architecture of Cloud computing. **05**
 2. How cloud is related to web 2.0? **02**
- (b)** Discuss all various types of Cloud Service developments in detail. **07**
- OR**
- (b)** Answer the following questions.
1. Discuss implementation of all types of Collaborating on various Schedules. **04**
 2. How Resource Virtualization can be implemented using Grid Computing? **03**
- Q.3 (a)** What are the various methods of Resource balancing in Grid Computing Environment? Discuss its implementation with a suitable example. **07**
- (b)** Discuss Cloud Computing Advantages and Disadvantages in detail. **07**
- OR**
- Q.3 (a)** What are the functions performed by Grid Meta models and discuss any two meta models in detail. **07**
- (b)** What is contact management? Discuss CRM application implementation with a suitable example. **07**
- Q.4 (a)** What are the architectural components of Sun Grid Engine and discuss their functionalities in detail. **07**
- (b)** Discuss benefits of Web-based word processors. Categorize users & non-users of it. Also discuss Google Docs as an example w.r.to Web based word processors. **07**
- OR**
- Q.4 (a)** List performance monitoring parameters in Grid Computing? Discuss any three of them. **07**
- (b)** Discuss implementation steps of application like Google calendar and features provided by it. Compare it with Yahoo calendar. **07**
- Q.5 (a)** What are the main desirable features of Grid Application software? Explain their working also. **07**

- (b) Discuss Cloud Storage based on its fundamentals, users, risks and service developments (SaaS). **07**

OR

- Q.5** (a) Write a note on various Web-based Desktop support provided by programming platforms. **07**
- (b) Discuss on line photo editing applications with their feature comparisons. **07**
