

GUJARAT TECHNOLOGICAL UNIVERSITY**M.E –IIst SEMESTER–EXAMINATION – JULY- 2012****Subject code: 1722306****Date: 12/07/2012****Subject Name: Cloud & Grid Computing****Time: 10:30 am – 13:00 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. Discuss 2nd generation Grid Technology. **03**
 2. Discuss users' types & risks of Data storing w.r.to Cloud Storage. **03**
 3. Give example of National Grid project in brief. **03**
 4. Write in brief SETI Grid Project. **03**
 5. Write in brief: Grid Security. **02**
- Q.2** (a) What are pros and cons of Cloud Computing? **07**
- (b) Discuss Cloud Architecture, Cloud Deployment models & various Cloud Services. **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 features, functionalities and implementation of Sun Grid Engine? Discuss in detail. **07**
- (b) What is the significance of Resource balancing in Grid Computing Environment? How is it implemented? Discuss it with a suitable example. **07**
- OR**
- Q.3** (a) Answer the following questions.
1. Write a note on Web-based Contact management using an example of Salesforce.com. **05**
 2. List photo editing applications & photo sharing communities. **02**
- (b) Answer the following questions.
1. Discuss Cloud collaborating on Calendars using two examples. **05**
 2. How are Cloud and Semantic web related? **02**
- Q.4** (a) Write Cloud Collaboration in Word processor using benefits, types of users' w.r.to Google Docs. **07**
- (b) List organizations providing Cloud Development Services & tools. Explain Amazon & Salesforce in detail. **07**
- OR**
- Q.4** (a) Answer the following questions.
1. What are performance monitoring issues in Grid Computing? **04**
 2. Describe various applications supported on Grid platform. **03**
- Q.4** (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 components of Grid Application software? Explain their relative significance also. **07**
- (b) List types of Cloud Service developments and Explain SaaS & IaaS. **07**
- OR**
- Q.5** (a) What are the functions performed by Grid Meta models and discuss any two meta models in detail. **07**
- (b) Answer the following questions.
1. Discuss properties of Cloud Computing. **04**
 2. Draw event management modules in Cloud Services. **03**
