

GUJARAT TECHNOLOGICAL UNIVERSITY**M. E. - SEMESTER – II • EXAMINATION – SUMMER • 2014****Subject code: 1722306****Date: 23-06-2014****Subject Name: Cloud and Grid 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)** Discuss various features of different Grid Technology generation. Write a note on Grid Security. **07**
- (b)** Discuss SETI and Skyserver Grid Project. **07**
- Q.2 (a)** Discuss features, functionalities and implementation of Sun Grid Engine. **07**
- (b)** List and explain pros, cons and present day challenges of Cloud Computing. **07**
- OR**
- (b)** Discuss implementation steps of application like Yahoo calendar and features provided by it. Compare it with Google calendar. **07**
- Q.3 (a)** List organizations providing Cloud Development Services & tools. Explain Amazon & Salesforce cloud services. **07**
- (b)** What are the functions performed by Grid Meta models and discuss any two meta models in detail. **07**
- OR**
- Q.3 (a)** Discuss generic Cloud Architecture & major Cloud Service classes. **07**
- (b)** Write Cloud Collaboration in Word processor using benefits, types of users w.r.to Google Docs. **07**
- Q.4 (a)** Write a note on types of Cloud Deployment models and their features. **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.4 (a)** What are the components of Grid Application software? Explain their relative significance also. **07**
- (b)** Discuss various cloud services for Family and Corporation along with their features. **07**
- Q.5 (a)** Answer the following questions.
1. Discuss Cloud collaborating services on Event Management using two examples. **05**
2. List who should not be using cloud computing. **02**
- (b)** Answer the following questions.
1. Write a note on Web-based Project Management cloud service using a suitable example. **05**
2. Write in brief: Web Services **02**
- OR**
- Q.5 (a)** Answer the following questions.
1. What are the pros and cons of Cloud Service Developments? **04**
2. Write a note on Why Cloud Computing matters. **03**
- (b)** Answer the following questions.
1. What are performance monitoring issues in Grid Computing? **04**
2. Describe various applications supported on Grid platform. **03**