

GUJARAT TECHNOLOGICAL UNIVERSITY**MCA - SEMESTER-IV • EXAMINATION – SUMMER 2016****Subject Code: 2640013****Date: 04/06/2016****Subject Name: Cloud Computing****Time: 10.30 AM TO 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 the innovative characteristic of cloud computing? Explain in brief the technologies on which cloud computing relies. **7**

(b) What is SLA in cloud computing? Briefly summarize the challenges still open in cloud computing. **7**

Q.2 (a) Identify the reasons that parallel processing constitutes an interesting option for computing. **7**

(b) Describe the different levels of parallelism that can be obtained in a computing system. **7**

OR

(b) Define Distributed Computing. Explain components of Distributed Computing. **7**

Q.3 (a) Define Cloud Computing. Explain with example PAAS(Platform as a service). **7**

(b) Explain one cloud based application which is used for Healthcare. **7**

OR

Q.3 (a) Explain one cloud based application which is used in Biology. **7**

(b) What are the types of Cloud? Explain any two in detail. **7**

Q.4 (a) Explain pros and cons of Virtualization. **7**

(b) List out various web services provide by Amazon with its usage. **7**

OR

Q.4 (a) Write short note on VMWare – Technology for virtualization. **7**

(b) Write short note on Google AppEngine platform architecture. **7**

Q.5 (a) What is S3 in context with Amazon. Explain said service in detail. **7**

(b) Explain Error Handling Mechanism in Amazon AWS Flow Framework. **7**

OR

Q.5 (a) What Federated Cloud? What we can expect in Cloud federation reference stack. **7**

(b) What is energy-efficient computing, and why it is fundamental to cloud computing? **7**
