

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER-IV • EXAMINATION – SUMMER • 2015

Subject Code: 2640013

Date: 20-05-2015

Subject Name: Cloud 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) List and Explain Characteristics, benefits and Challenges of Cloud Computing. 7
(b) Differentiate Shared and Distributed memory architecture with neat diagram. 7
- Q.2 (a) What is the significance of Virtualization in Cloud Computing? Explain the taxonomy of virtualization techniques. 7
(b) Write short note on Xen: Para virtualization. 7
OR
(b) Explain the Technology VMware: full virtualization.
- Q.3 (a) Define Cloud Computing. Explain with example IAAS(Infrastructure as a service). 7
(b) What are the types of Cloud? Explain any two in detail. 7
OR
(a) How cloud computing applications can be usefull for Geoscience and Healthcare ? 7
(b) What kinds of needs are addressed by heterogeneous clouds? 7
- Q.4 (a) What does the acronym SaaS mean? How does it relate to cloud computing? 7
(b) How does cloud computing help to reduce the time to market for applications and to cut down capital expenses? 7
OR
(a) Write short note on worker Threading Model in Amazon AWS Flow Framework 7
(b) Explain Architecture of Google AppEngine. 7
- Q.5 (a) How do you achieve energy efficiency in Cloud Computing? Explain any one method for energy efficiency. 7
(b) What do you mean by AWS Cloud Formation? What you can manage using AWS Cloud Formation? 7
OR
(a) Explain Federated Cloud and Inter Cloud. 7
(b) Explain Error Handling Mechanism in Amazon AWS Flow Framework. 7
