

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA – SEMESTER IV EXAMINATION – SUMMER - 2016

Subject Code:2640020

Date:04/06/2016

Subject Name: Virtualization & Applications of Cloud

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)** Answer the following questions. [07]
i) Define cloud computing.
ii) What is cloud service?
iii) Define cloud bursting.
iv) What is hypervisor?
v) What is MapReduce?
vi) Define DynamoDB.
vii) What is Google App Engine?
- (b)** Explain – “Cloud Computing can save money”. [07]
- Q.2 (a)** Explain technologies that played an important role in the realization of cloud computing. [07]
(b) Explain cloud service model. [07]
- OR**
- (b)** Explain cloud computing reference model. [07]
- Q.3 (a)** State the importance of virtualization in cloud computing. [07]
(b) Define virtualization. Explain types of virtualization. [07]
- OR**
- Q.3 (a)** Explain virtual clustering. [07]
(b) Define OS virtualization. Explain working, advantages and dis-advantages of OS virtualization. [07]
- Q.4 (a)** Explain advantages and dis-advantages in cloud environments. [07]
(b) State the key security challenges in cloud environments. [07]
- OR**
- Q.4 (a)** Explain in brief cloud computing risks. [07]
(b) Define Risk management. Explain risk management in cloud computing. [07]
- Q.5 (a)** Explain Google App Engine and its services. [07]
(b) Explain in detail Google cloud applications. [07]
- OR**
- Q.5 (a)** Discuss the importance of Microsoft windows Azure brands [07]
(b) Explain Amazon storage system. [07]
