Sea	ıt No.	: Enrolment No	
		GUJARAT TECHNOLOGICAL UNIVERSITY ME – SEMESTER I (NEW) – • EXAMINATION – SUMMER 2016	
Su	bject	t Code: 3715108 Date:18/05/201	16
	•	t Name: CLOUD COMPUTING	
	me:0 tructio	2:30 pm to 05:00 pm Total Marks:	70
IIIS	1 2	. Attempt all questions Make suitable assumptions wherever necessary Figures to the right indicate full marks.	
Q.1	(a) (b)	Define and differentiate between common network terminology. Explain in detail how networks work. Explain TCP/IP model in detail.	07 07
Q.2	(a)	Identify various types of resources that can usefully be shared in computer networks. Give examples of their sharing as it occurs in distributed systems.	07
	(b)	Discuss briefly key challenges that one needs to address in the design and development of distributed applications. OR	07
	(b)	Discuss peer-to-peer architectural model for construction of distributed systems.	07
Q.3	(a)	Identify main types of security threats that might occur in the Internet with an example	07
	(b)	What is a Data Center? What are Typical issues facing data centers and 10 critical components of a data center?	07
Q.3	(a)	OR Discuss secure socket layer (SSL) architecture and its components.	07
	(b)	Discuss operation of a typical domain name server (DNS) with suitable example	07
Q.4	(a)	What are the 5 essential cloud computing characteristics? Explain in detail common cloud characteristics	07
	(b)	What are 3 cloud service Models? Explain Service Model Architectures OR	07
Q.4	(a)	Explain in details 4 cloud deployment models. Explain cloud security in terms	07

What is cloud computing? Why we should know about it? Why we call "cloud

of analysis, advantages and challenges.

(b)

(a)

(b)

(a)

computing"?

Q.5

Q.5

Explain "why" and "how" of cloud migration.

What are common attributes of cloud computing?

Explain virtualization and virtual machines

What are the trends observed with cloud computing?

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