## Seat No.: \_\_\_\_\_

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

## BE - SEMESTER-7 - EXAMINATION -SUMMER 2018

Subject Code: 170704 Date: 05-05-2018

**Subject Name: Advance Computing Technology** 

Time: 02:30 pm to 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)	Define Cluster Computing. Explain its architecture in detail.	07
	(b)	Explain the Beowulf cluster and Berkeley Now Clusters.	07
Q-2	(a)	Explain various commodity components of cluster.	07
	(b)	What is RMS? Explain the services provided by a RMS environment.  OR	07
	(b)	Explain Platform as a Service in Cloud Computing.	07
Q-3	(a)	What is cloud computing? Explain the features of cloud computing.	07
	(b)	Explain in detail about cloud work load.  OR	07
	(a)	Define grid computing and explain the various building blocks of the Grid.	07
	(b)	Explain the cloud deployment model in detail.	07
Q-4	(a)	Explain the applications of Grid Computing.	07
	(b)	Explain Second generation grid -Globus project in detail.  OR	07
	(a)	Explain the Resource and the collective layer services of grid architecture.	07
	(b)	Explain InterGrid Protocol.	07
Q-5	(a)	Explain the top cloud risks in detail.	07
	(b)	Explain FlexiScale and Gogrid – Iaas service provider.  OR	07
	(a)	Discuss about Cluster of SMPS.	07
	(b)	Define production Grid. Explain Open Grid Service Architecture(OGSA) in detail.	07

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