

**I M.Tech - II Semester - Regular Examinations – AUGUST 2018**

**CLOUD COMPUTING  
(COMPUTER SCIENCE & ENGINEERING)**

Duration: 3 hours

Max. Marks: 60

Answer the following questions:

1. a) Define cloud computing. What are the characteristics and benefits of cloud computing? 7 M
- b) Explain briefly the technologies involved in providing cloud computing. 8 M
- OR
2. a) List and briefly explain the various types of virtualization Techniques. 8 M
- b) Compare and contrast full-virtualization and Para-virtualization. 7 M
3. a) Compare and contrast public cloud and private cloud. 7 M
- b) What are the main characteristics of a Platform-as-a-Service solution? 8 M

(OR)

4. a) List out the challenges that need to address in cloud computing. 8 M
- b) Discuss about a Infrastructure-as-a-Service (IaaS). 7 M
5. a) What types of services are hosted inside the Aneka Container? 7 M
- b) Describe the storage architecture implemented in Aneka. 8 M
- (OR)
6. a) Discuss the private deployment of Aneka cloud. 8 M
- b) List the programming models supported by Aneka. 7 M
- 7.a) Demonstrate how cloud computing technology can be applied to support remote ECG monitoring? 8 M
- b) Illustrate how cloud technologies are used in media applications? 7 M
- (OR)
- 8.a) Discuss the compute services offered by AppEngine. 8 M
- b) Describe the architecture of Windows Azure. 7 M