

**R15****Code No: 127BN****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech IV Year I Semester Examinations, May/June - 2019****CLOUD COMPUTING****(Computer Science and Engineering)****Time: 3 Hours****Max. Marks: 75****Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

**PART – A****(25 Marks)**

- 1.a) Explain about Virtual Machines. [2]
- b) Discuss about Computer Clusters. [3]
- c) What is Cloud computing? [2]
- d) Write a short note on 'integration as a Service' in cloud? [3]
- e) What is T-Systems? [2]
- f) Discuss about Software as a service (SAAS) in cloud. [3]
- g) What is SLA Mangement in Cloud? [2]
- h) How to build content delivery networks using cloud. Discuss? [3]
- i) How data secure in the cloud? [2]
- j) What is organizational readiness in cloud? [3]

**PART – B****(50 Marks)**

2. Discuss in detailed about distributed system models. [10]  
**OR**
3. Explain in detail about virtualization of clusters and data centers. [10]
4. Explain about paradigm used for cloud era. [10]  
**OR**
5. Discuss the factors influenced to migration into cloud. [10]
6. Explain about work flow engines for cloud computing. [10]  
**OR**
7. How cloud provides Infrastructure as a service (IAAS)? Explain. [10]
8. Explain about best practices in architecting cloud applications in AWS cloud. [10]  
**OR**
9. Explain the architecture for federated cloud computing environment. [10]
- 10.a) Explain the pros and cons of content level security.  
b) Explain the Change Management Maturity Model (CMMM). [5+5]  
**OR**
- 11.a) Explain the legal issues in cloud computing.  
b) Explain the Cloud service lifecycle. [5+5]