

Code No: 126EV**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B.Tech III Year II Semester Examinations, May - 2016****CLOUD COMPUTING****(Information Technology)****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) Define the concept of cluster. [2]
- b) List and explain the elements of parallel computing. [3]
- c) What is cloud computing paradigm? [2]
- d) What are the Challenges of SaaS Paradigm? Explain. [3]
- e) Define T Systems? [2]
- f) Illustrate the steps in virtual machine provisioning process? [3]
- g) What is AWS cloud? [2]
- h) Discuss in detail about the services offered by Amazon AWS. [3]
- i) State data security in cloud. [2]
- j) Mention the pros and cons of content level security? [3]

PART - B**(50 Marks)**

2. Explain the characteristics and types of virtualization in cloud computing. [10]
OR
3. What are the various technologies used for distributed computing? Explain any one of them in detail. [10]
4. List and explain in detail about various types of cloud. [10]
OR
5. With a neat diagram explain the architecture of cloud reference model. [10]
6. With a neat diagram explain virtual machine life cycle. [10]
OR
7. List and explain the various scientific applications of cloud. [10]
8. Describe in detail about Automated Policy-based Management. [10]
OR
9. Explain how Performance Prediction is done for HPC on Clouds. [10]
10. With a neat sketch explain in detail about cloud services life cycle. [10]
OR
11. Discuss the Framework to Compete in the Competitive environment. [10]