

Code No: 117BN

R13

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year I Semester Examinations, April/May - 2018

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 parallel computing. [2]
- b) Discuss about virtualization of data centers. [3]
- c) What is Cloud computing? Explain it. [2]
- d) What are the benefits of migration into cloud? Explain. [3]
- e) Explain about comet cloud. [2]
- f) Discuss about Platform as a service (PAAS) in cloud. [3]
- g) What is SLA Mangement in Cloud? Discuss. [2]
- h) Explain about resource cloud mashups. [3]
- i) Discuss about legal issues involved in cloud computing. [2]
- j) What is change management in cloud age? Discuss. [3]

PART – B

(50 Marks)

2. How distributed system models are useful for enabling technologies? Discuss. [10]
- OR
3. How computer clusters are useful for scalable parallel computing? Explain. [10]
4. Explain about Enterprise cloud computing paradigm. [10]
- OR
5. How to enrich the 'integration as a Service' in cloud computing? Discuss. [10]
6. Explain how cloud computing environment is enhanced with cluster as a service. [10]
- OR
7. Explain how security is provided to distributed data storage in cloud computing. [10]
8. Explain about best practices in architecting cloud applications in AWS cloud. [10]
- OR
9. Explain how the performance is predicted for HPC on cloud computing? [10]
10. Discuss in detail about data security in cloud. [10]
- OR
11. How to achieve production readiness for cloud services? Explain in detail. [10]