Code No: 5258AF

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M. Tech I Semester Examinations, February - 2017
CLOUD COMPUTING
(Computer Science and Engineering)

Time: 3hrs   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

5 × 5 Marks = 25

1.a) What are the characteristics and benefits of cloud computing?   [5]
  b) What is virtualization and write its characteristics?   [5]
  c) What do you expect primary requirements from cloud infrastructure, Explain? [5]
  d) Describe the main features Mapreduce for data intensive application.   [5]
  e) Explain, the readiness of service for the operation is important.   [5]

PART - B

5 × 10 Marks = 50

2. Explain different types of architecture of parallel processing systems.   [10]

OR

3. Discuss various service levels of cloud application, in detail.   [10]

4. What are the benefits with migration into cloud and explain the seven step model of migration into cloud with a neat sketch?   [10]

OR

5. What is comet cloud and explain the architecture of Comet cloud?   [10]

6. Write short notes on
    a) Life cycle of SLA   b) SLA management in Cloud.   [5+5]

OR

7. Explain, how cloud computing is useful in remote ECG monitoring and Social network applications.   [10]

8. Design an application for image process App using Python.   [10]

OR

9.a) Design python application for user authentication in Google App engine.
  b) Explain, how do you design a simple and pretty user inter face in Python?   [5+5]

10. Explain in detail about cloud contract models.   [10]

OR

11. What is the need of data security in cloud computing and explain different technologies to provide data security in cloud computing?   [10]

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