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12SCN254

Second Semester M.Tech. Degree Examination, June/July 2014

Cloud Computing

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions.

- 1 a. What is cloud computing? Explain the architecture initiatives on which cloud dynamic infrastructure is based. (10 Marks)
b. Differentiate between public and private clouds. (10 Marks)
- 2 a. Explain the characteristics of cloud with the help of cloud model. (10 Marks)
b. What are the three major features for infrastructure and strategy planning in cloud computing? (05 Marks)
c. Explain hybrid clouds. (05 Marks)
- 3 a. Explain the conceptual cloud model with the help of neat diagram. (10 Marks)
b. Mention common attributes of a cloud infrastructure. (04 Marks)
c. Mention the five categories offered by cloud. Explain any one type in brief. (06 Marks)
- 4 a. Explain cloud eco system with neat diagram. (10 Marks)
b. Discuss in details how computing on demand (CoD) is the need of the hour. (10 Marks)
- 5 a. With neat diagram explain cloud analytics. (10 Marks)
b. Clearly explain virtual desktop infrastructure with neat diagram. (10 Marks)
- 6 a. What is resiliency? Explain resiliency capabilities. (06 Marks)
b. What is provisioning? Discuss long-term and short term objectives. (04 Marks)
c. With neat diagram explain cloud governance. (10 Marks)
- 7 a. What is server virtualization? Explain in detail with neat diagram. (10 Marks)
b. Define virtualization. Explain virtualization for X₈₆ architecture. (10 Marks)
- 8 a. Write short notes on storage virtualization. List out benefits of storage virtualization. (10 Marks)
b. Define storage area network. Explain network attached storage (NAS). (10 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and/or equations written eg. 42+8 = 50, will be treated as malpractice.