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Elective-IV : Cloud Computing

P. Pages : 2

Time : Three Hours

**NRT/KS/19/3707**

Max. Marks : 80

- Notes :
1. All questions carry marks as indicated.
 2. Solve Question 1 OR Questions No. 2.
 3. Solve Question 3 OR Questions No. 4.
 4. Solve Question 5 OR Questions No. 6.
 5. Solve Question 7 OR Questions No. 8.
 6. Solve Question 9 OR Questions No. 10.
 7. Solve Question 11 OR Questions No. 12.
 8. Assume suitable data whenever necessary.
 9. Illustrate your answers whenever necessary with the help of neat sketches.

1. a) Explain cloud computing in nutshell. 7
- b) Explain the Risks related to cloud computing. 6

OR

2. a) What is OpenStack in cloud computing? Is it better then cloud computing? Justify. 6
- b) What are the benefits will be if a university deploys OpenStack cloud computing for its students and faculty? How OpenStack differentiate with Cloud Stock. 7
3. a) Differentiate between salesforce.com versus Force.com. 6
- b) How Saas can be helpful to salesforce.com. 4
- c) Explain the following terms. 4
- i) Machine Imaging ii) Hypervisors

OR

4. a) Explain the services in detail. 8
- i) IDaaS ii) CaaS
- b) Discuss the classification of Virtualization. 6
5. a) What is AWS? Explain in brief simple storage service (S3) and elastic compute cloud (EC2). 8
- b) Explain Role instance, web Role & worker Role in Azure cloud services. 6

OR

6. a) Differences between Microsoft Azure and AWS. 5
- b) Explain in brief Aneka Integration of private and public cloud. 5

- c) Explain in short how to use Azure SQL Datawarehouse for big data solutions. 4
7. a) What are the challenges involved in migration between the private and public clouds. Explain it in short. 7
- b) What are the different types of cloud application? Explain in detail. 6

OR

8. a) What are the broad approaches to migrating into the cloud. 5
- b) What are the steps are needed to ensure a successful cloud migration? Explain in detail. Also list out any best cloud migration tools for your business. 8
9. a) Explain the mechanism of how to secure the data & how to access the secure data from cloud. 6
- b) Write short notes on. 4
- i) Provisioning cloud storage.
- ii) Measuring the digital universe
- c) Explain how the cloud storage works with an example. 4

OR

10. a) Explain the difference between cloud backup, Online backup and remote backup with an example. 7
- b) Explain different cloud security and storage challenges? 7
11. a) What is eucalyptus in the content of cloud computing. Explain in detail. 7
- b) Discuss Map- Reduce and Dryad in brief. 6

OR

12. Discuss in detail the different types of open source cloud computing platforms. 13



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The secret of getting ahead is getting started.

~ Mark Twain

