B.E. Eighth Semester (Information Technology) (C.B.S.)
Elective - IV : Cloud Computing

P. Pages : 2

Time : Three Hours

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* 0 5 4 9 *

Max. Marks : 80

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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. Due credit will be given to neatness and adequate dimensions.
9. Assume suitable data whenever necessary.
10. Illustrate your answers whenever necessary with the help of neat sketches.

1. a) What is the use of cloud computing? Explain the essential characteristics of cloud computing. **7**

   b) Enlist and explain three service models. **7**

OR

2. a) Explain in brief architecture of open stack. **7**

   b) Discuss four deployment models of cloud computing. **7**

3. Write short note on **any three.** **13**

   i) Load balancing.

   ii) IDaaS

   iii) Hypervisors

   iv) IaaS

OR

4. a) Explain the need of virtualization in cloud computing. Also explain the pitfalls of virtualization. **7**

   b) Differentiate between SaaS Vs. PaaS. **6**

5. a) Explain the architecture of Amazon ECZ? **7**

   b) Define SQL Azure and windows Azure platform. **6**

OR

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6.	a)	Compare the SOAP and REST paradigms in the context of programmatic communication between applications deployed on different cloud providers, or between cloud applications and those deployed in house.	**9**
	b)	Write a brief review about Aneka - integration of private and public clouds.	**4**
7.	a)	Write short note on broad approaches to migration.	**7**
	b)	Describe the seven steps model of migration with diagram.	**7**

OR

8.	a)	Discuss various mobbing applications to the cloud.	**7**
	b)	What are the different types of Cloud Applications? Explain in details.	**7**
9.		Discuss in detail concept of cloud security. Explain in brief about how to secure cloud and how to get data secured.	**13**

OR

10. Write short note on :

   i)   Exploring cloud backup solutions

   ii) Provisioning cloud storage.

   iii) Measuring the digital universe.

11.	a)	Explain the architecture and components of OpenNebula?	**7**
	b)	What are open source cloud computing platforms? Explain in brief Eucalyptus.	**6**

OR

12.	a)	What are future trends in cloud computing?	**7**
	b)	Explain interfacing of smart phones with cloud.	**6**

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