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53 (IT 822) CLCP

2019

CLOUD COMPUTING

Paper : IT 822 (Back)

Full Marks : 100

Time : Three hours

The figures in the margin indicate full marks for the questions.

*Answer **any five** questions.*

1. *(a)* Draw the framework of common cloud management platform reference architecture and explain its components. 10

   (b) Explain different types of privacy in cloud computing. 10

2. *(a)* Write different types of internal security breaches in cloud computing. Also, explain the steps to reduce cloud security breaches. 10

Contd.

(b) What are the different components of Amazon Web Service (AWS)? Discuss each in brief. 10

3. (a) Explain the cloud deployment models, in details. Also, outline their benefits and limitations while implementing. 10

(b) What is load balancing? Discuss different load balancing techniques for cloud computing. 10

4. (a) What is a middleware? How does it help to achieve compatibility between different softwares involved in cloud computing? 10

(b) What are the different techniques used for implementation of hardware virtualization? Explain each in details. 10

5. (a) Describe the architecture of Windows Azure. 10

(b) Define virtualization. Why virtualization is important in cloud computing? 10

6. Write short notes on : 5×4=20

(i) Digital Signature

(ii) Attacks on Hypervisor

(iii) Virtual storage

(iv) DNS server.

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