Reg. No. : | | | | | | | | | | |

Question Paper Code: 37203

B.E. / B.Tech. DEGREE EXAMINATION, APRIL 2019

Seventh Semester

Computer Science and Engineering

01UCS703 - CLOUD COMPUTING

(Regulation 2013)

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. List the essential characteristics of cloud computing.

2. Compare and contrast utility computing and elastic computing.

3. What is Mashup? How is it useful?

4. Compare and contrast HBase with Amazon DynamoDB.

5. List the characteristics of HDFS.

6. What is mean by NOSQL?

7. Define data shredding technique.

8. What risk are users running while relying on a cloud provider services?

9. Give some examples of a third-party cloud service.

10. Define the term mobile cloud.

PART - B (5 x 16 = 80 Marks)

11. (a) (i) Discuss the various challenges and obstacles that cloud computing faces in today's scenario. (10)

        (ii) Compare Amazon EC2, Google app engine and IBM clouds. (6)

Or

  (b) Explain how can a company use cloud computing to design its own business applications. (16)

12. (a) (i) Explain the fundamental differences between virtual machine as perceived by a traditional operating system and system VM. (8)

        (ii) Compare AJAX rich interfaces with mashups user interface services. (8)

Or

  (b) Discuss briefly about the virtualization of CPU, Memory and I/O devices. (16)

13. (a) Describe the high-performance distributed file systems and storage clouds in detail. (16)

Or

  (b) Describe the building blocks, Data model and operations of Google Big Table. (16)

14. (a) Discuss briefly about the architecture and components of Cloud Security. (16)

Or

  (b) Explain autonomic cloud computing security challenges and techniques in VM system. (16)

15. (a) (i) Identify the various real time issues faced by the cloud users in cloud computing environment. (8)

        (ii) Discuss about the types of service levels for cloud application. (8)

Or

  (b) Enlist and explain the principal design issues that are to be addressed while designing a QoS-aware distributed middleware architecture for cloud. (16)

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