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**Question Paper Code: 37203**

B.E. / B.Tech. DEGREE EXAMINATION, NOV 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. What is the working principle of Cloud Computing?
2. What are the advantages and disadvantages of Cloud Computing?
3. List the key components offered by the Azure service platform.
4. Differentiate full virtualization and para-virtualization.
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. Why we need the monitoring in the cloud?
10. Define the term mobile cloud.

PART - B (5 x 16 = 80 Marks)

11. (a) Enlist and explain various service models and deployment models of cloud computing. (16)

Or

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

12. (a) Briefly describe about the hardware and infrastructure requirement for cloud computing. (16)

Or

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

13. (a) Explain the “Map Reduce” model for a words counting programme with a neat diagram. (16)

Or

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

14. (a) Examine the various key elements in management of security in cloud scenario. (16)

Or

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

15. (a) (i) Describe the high level architecture of QoS in cloud. (8)

- (ii) Discuss the various types of provisioning techniques and its parameters. (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)