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**Question Paper Code: 37023**

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2017

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 are the advantages and disadvantages of Cloud Computing?
2. Outline the types of cloud service development models.
3. Differentiate full virtualization and para-virtualization.
4. What are the benefits of virtualization in the context of cloud computing?
5. What is mean by NOSQL?
6. What is Google BigTable?
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) Discuss the main characteristics of NIST cloud computing reference architecture with a neat schematic diagram. (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) Describe about information model and data model for virtual machine. (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) Discuss about the types of service levels for cloud application. (16)

Or

(b) Discuss briefly about the challenges in interconnected cloud computing environment. (16)

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