

P2808

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[Total No. of Pages : 2

B.E. (Computer Engineering)

CLOUD COMPUTING

(2008 Pattern) (Elective - IV) (410451C) (Semester - II)

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) *Answer THREE questions from each section.*
- 2) *Answers to the TWO sections should be written in SEPRATE answer books.*
- 3) *Figures to the right indicate full marks.*
- 4) *Draw neat diagram wherever necessary.*
- 5) *Make suitable assumptions wherever necessary.*

SECTION -I

- Q1)** a) How cloud computing services uses various component? Describe in detail types of clouds. [8]
- b) Compare and contrast between SaaS, Paas, IaaS in accordance with economies of scale. [8]
- c) What is Multi Tennacy? [2]

OR

- Q2)** a) Incline and explain with examples types of cloud computing. [8]
- b) Explain the services provided by the Microsoft Azure. [8]
- c) Define utility Computing. [2]

- Q3)** a) What is difference between process virtual machines, host VMMs and native VMMs. [8]
- b) Compare and contrast between SOAP and REST. [8]

OR

- Q4)** a) What is role of web services? How asynchronous 'rich' interfaces applied for deployment of cloud services? [8]
- b) Describe with example Mashups. [8]

- Q5)** a) Explain in detail architecture of cloud file systems? [8]
- b) Explain how data organization in big tables are stored on distributed file systems such as GFS and HDFS. [8]

OR

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- Q6)** a) Explain scalable parallel implementation with suitable example of Mapreduce Model. [8]
b) How amazon dynamo works for data storage in cloud file systems? [8]

SECTION -II

- Q7)** a) Describe security management levels with suitable diagram. [10]
b) Write in brief access control in PaaS. [8]

OR

- Q8)** a) What are different key privacy in cloud environment. [8]
b) Explain fundamental functions: identity management, access control for secure cloud computing. [10]

- Q9)** a) Explain in detail load computation across multiple implementation. Describe in brief virtual and horizontal load distribution [8]
b) What are the temporal requirement for QOS? Describe in aggregation of work flow in load distribution. [8]

OR

- Q10)** a) Compare different issues in inter-cloud environments. [8]
b) Explain in detail how QOS monitoring deployed in cloud computing? [8]

- Q11)** a) Explain in detail performance evaluation feature of Apache Virtual platform. [8]
b) Explain conceptual representation of Eucalyptus Cloud with its components. [8]

OR

- Q12)** a) Write a short note on Xen cloud platform [8]
b) Describe performance evaluation Features and functions of Enomaly Elastic Computing cloud platforms. [8]

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