Roll No. ᛂ

7E7031

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B. Tech. VII - Sem. (Back) Exam., Feb.-March - 2021
Computer Science & Engineering
7CS1A Cloud Computing

Total No. of Pages: 2

Time: 2 Hours

[To be converted as per scheme]
Max. Marks: 48
Min. Marks: 15

Instructions to Candidates:
*Attempt **three questions**, selecting **one question each** from any three **unit**.*
*All Questions carry **equal** marks. Schematic diagrams must be shown wherever*
necessary. Any data you feel missing suitably be assumed and stated clearly. Units
of quantities used/ calculated must be stated clearly.
Use of following supporting material is permitted during examination.
(Mentioned in form No.205)

1. NIL   2. NIL

UNIT- I

Q.1 (a) What are the advantages of cloud computing over the internet? Explain. [8]

(b) What is ubiquitous computing? Explain the ubiquitous cloud concept also. [8]

OR

Q.1 (a) What is cloud computing? Explain the properties and characteristics of cloud computing. [8]

(b) Explain about various issues and challenges in cloud computing. [8]

UNIT- II

Q.2 (a) Discuss about various cloud services model in detail. [8]

(b) Discuss the features provided by Google App Engine. [8]

[7E7031]   [1020]

Q.2 (a) How does cloud storage work? Explain. **OR**

(b) Explain the various layers of cloud computing. [8]

[8]

UNIT- III

Q.3 (a) Discuss about virtual cluster in detail. [8]

(b) Explain the benefits of virtualization. [8]

OR

Q.3 (a) Explain the different states of a VM in Xen hypervisor. [8]

(b) Describe the server virtualization and desktop virtualization in detail. [8]

UNIT- IV

Q.4 (a) Describe all the attacks that can be used to disrupt cloud services. [8]

(b) Discuss the need of security in cloud computing environment. [8]

OR

Q.4 (a) Why trust management becomes a very crucial component in cloud computing security? Explain. https://www.rtuonline.com [8]

(b) What are the legal issues in cloud computing? Explain in detail. [8]

UNIT- V

Q.5 (a) Describe the main characteristics of AWS. [8]

(b) What is Google App Engine? Explain its architecture and major components. [8]

OR

Q.5 (a) Compare Amazon, Azure and Google cloud computing solution features. [8]

(b) What is Aneka? Describe the main characteristics of Aneka. [8]