Roll No. | | | | | | | | | | |

Total No. of Questions : 09

Total No. of Pages : 02

B.Tech. (Computer Science & Engineering) (Sem.–6)

CLOUD COMPUTING

Subject Code : BTCS612/18

M.Code : 79254

Date of Examination : 16-01-2025

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1. **Write briefly :**

   a) Grid Computing

   b) Benefits of Cloud Computing

   c) IT as a service

   d) Hypervisors

   e) API

   f) Elasticity

   g) Load Balancing

   h) Azure

   i) Need for Cloud Migration

   j) IaaS.

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SECTION-B

2. Write a note on the Driving factors and applications of Cloud Computing.

3. **Explain in detail :**

   a) Multitenancy

   b) Pros of Visualization

4. Write down Selection criteria followed for cloud deployment.

5. Explain in detail various Cloud Deployment Models

6. Briefly explain principal security dangers to cloud computing.

SECTION-C

7. An existing IT Service Company B123.Ltd (Imaginary name) spans multiple Cities; suggest the Cloud deployment model for B123 .Ltd. Explain the Pros and Cons of your suggested Deployment Model over other available models.

8. Compare various cloud service delivery models.

9. Explain different types of Hypervisors and their limitations in detail.

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B.Tech. (Computer Science & Engg.) (Sem.–6)

CLOUD COMPUTING

Subject Code : BTCS612/18

M.Code : 79254

Date of Examination : 20-05-2024

Time : 3 Hrs.

Max. Marks : 60

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SECTION-A

1 **Write briefly :**

a) Need for Cloud Computing

b) Utility Computing

c) Big data

d) Resources Scalability

e) Pay per-use Model

f) Elasticity

g) Authentication and Authorization

h) SaaS

i) Azure

j) IT as a service.

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SECTION-B

2. Explain in detail the Types of Hypervisors and multitenancy available in cloud computing.

3. Write a note on the Driving factors and Challenges of Cloud Computing.

4. Compare available various Cloud service delivery models

5. Explain in detail the criteria used for cloud deployment.

6. What are the principal security dangers of Cloud Computing? Explain in detail.

SECTION-C

7. Explain the migration path used for the cloud by taking a suitable example.

8. Write a note on Internal security breaches and service hijacking and their countermeasures.

9. Compare existing Cloud Platforms and Web services by taking a case study

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Total No. of Pages : 02

B.Tech. (Computer Science & Engg.) (Sem.–6)

CLOUD COMPUTING

Subject Code : BTCS-612-18

M.Code : 79254

Date of Examination : 03-07-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

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3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1. Write short notes on :

   a) Hypervisor

   b) Scalability

   c) API

   d) IaaS

   e) Private Cloud

   f) Cloud Migration

   g) Access Control

   h) Security Breach

   i) AWS

   j) Multitenancy

SECTION-B

2. Explain in detail the characteristics, vision and applications of cloud computing.
3. Write a note on virtualization techniques.
4. Explain in detail the various cloud service models and their examples.
5. What do you understand by Platform as a service? Explain its purpose.
6. Explain in detail various web services provided by AWS cloud provider.

SECTION-C

7. Explain in detail the various steps involved in cloud migration.
8. Write a note on security risks and the measures involved in cloud computing.
9. Explain different types of Hypervisors, their limitations available in cloud computing.

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B.Tech. (Computer Science & Engg.) (Sem.–6)

CLOUD COMPUTING

Subject Code : BTCS-612-18

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Date of Examination : 03-07-22

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   b) Scalability

   c) API

   d) IaaS

   e) Private Cloud

   f) Cloud Migration

   g) Access Control

   h) Security Breach

   i) AWS

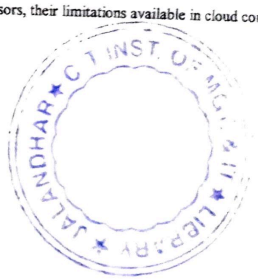
   j) Multitenancy

SECTION-B

2. Explain in detail the characteristics, vision and applications of cloud computing.
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