

PTU Question paper

Roll No. []

Total No. of Questions : 09
B.Tech.

Total No. of Pages : 02

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

CLOUD COMPUTING

Subject Code : BTCS612/18

M. Code : 79254

M. Code : 79254
Date of Examination : 20-05-2024

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) 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.

(S1)-974

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.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.

(51)-974

PTU Question paper

Roll No.

✓	✓	✓	✓	✓	2	0	1	8	8	2	6
---	---	---	---	---	---	---	---	---	---	---	---

Total No. of Questions : 09

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 : 23-06-2023

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) Applications of cloud computing
- b) VPN
- c) API
- d) Community Cloud
- e) Cloud Security Risks
- f) Load Balancing in Cloud
- g) Service Level Agreement
- h) Vendor Lock-In
- i) Grid Computing
- j) Multitenancy

BM-02
29

SECTION-B

2. Write a note on Historical developments and challenges of cloud computing
3. What do you understand by virtualization in cloud computing? Explain various technologies available under virtualization
4. How scalability and elasticity is achieved in the cloud? Explain in detail
5. Explain in detail user account and service hijacking
6. Discuss and compare AWS, AZURE and Google Cloud services.

SECTION-C

7. An existing Bicycle Manufacturing unit wants to migrate existing stand alone IT Infrastructure to the cloud, explain the steps involved in migrating towards the cloud
8. An existing IT Company A Ltd spans multiple states, suggest the Cloud deployment model for A Ltd. Explain the Pros and Cons of the suggested Deployment Model over other available models
9. Write note on the issues and measures for improving Cloud security

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.

PTU Question paper

Roll No.

--	--	--	--	--	--	--	--	--	--

Total No. of Pages : 02

Total No. of Questions : 18

B.Tech. (CSE) (2012 to 2017 E-III) (Sem.-7)

CLOUD COMPUTING

Subject Code : BTCS-912

M.Code : 71904

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION 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

Answer briefly :

1. Define cloud scalability.
2. Why community clouds are so important?
3. What is cloud automation?
4. Give example of (PaaS) Architecture.
5. What is the Use of API in cloud?
6. What is role of Hybrid Cloud?
7. Give basis of Service Level Agreement.
8. Discuss the use of Digital Signatures.
9. Define asymmetric key encryption.
10. Give introduction of Windows Azure Platform.

SECTION-B

11. Mention the Layers of Platform as a Server (SaaS) Architecture.
12. What is Virtualization? Discuss the benefits of Virtualization.
13. Before deploying applications to cloud which selection criteria can be used.
14. Explain some future developments of Clouds by taking any case study.
15. Discuss the concept of Identity Management in cloud based solutions.

SECTION-C

16. Write the role of cloud management platform reference architecture in cloud services.
17. Explain cloud security risks. Discuss the cloud security reference model to describe the security levels.
18. Discuss how Amazon Web Services cloud tools and services are providing support to the customers?