

**DIP-C-191**

**DCC-02**

**DIPLOMA EXAMINATION –  
DECEMBER, 2020.**

**CLOUD ARCHITECTURE**

**Time : 3 hours**

**Maximum marks : 75**

**PART A — (5 × 5 = 25 marks)**

**Answer any FIVE questions.**

1. What is cloud computing? Brief about private cloud.
2. List out the cloud applications.
3. Write a short note on reliability in cloud service management.
4. Explain about the Azure application development environments.
5. What are all the technologies used to manage cloud service deployment.
6. How to adopt cloud computing architectures – Analyse.
7. List out the applications of next generation cloud.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain about the public Cloud in detail.
  9. How to deploy the web services inside the cloud architecture.
  10. Explain any one of the cloud platform in detail.
  11. Describe about Amazon app application development.
  12. How to improve the total cost of ownership (TCO).
  13. Explain about benefits of Cloud architecture.
  14. Explain the security of services deployed from the cloud.
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**DIP-C-192**

**DCC-03**

**DIPLOMA EXAMINATION  
DECEMBER 2020**

**CLOUD COMPUTING**

**CLOUD STORAGE INFRASTRUCTURE**

Time : 3 hours

Maximum marks : 75

**PART A — (5 × 5 = 25 marks)**

Answer any FIVE questions.

1. Explain cloud Infrastructure Components.
2. Write short note on Cloud Ecosystem for building Private Clouds.
3. Write short note on host-side Architecture.
4. Explain the issues in Virtual Machine.
5. Explain the Fibre Channel Topology.
6. Explain EU Regulations on Cloud Computing.
7. Write short note on Disaster Recovery.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Describe Software as a Service model.
  9. Summarize Encryption.
  10. Elaborate layered Coordinated Defences.
  11. Discuss cloud Security Auditing.
  12. Explain iSCSI Typical Component.
  13. Discuss Global Storage Distribution.
  14. Discuss Data Backup and Date Archiving.
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**DIP-C-193**

**DCC-04**

**DIPLOMA EXAMINATION - DECEMBER -  
2020**

**DATA CENTRE NETWORKING**

Time: 3 Hours

Maximum Marks: 75

**PART A (5 × 5 = 25 Marks)**

Answer any FIVE questions.

1. Explain about the Data Center Design Models.
2. With neat diagram explain the Top-of-Rack Architecture.
3. Compare Rack server and Blade Server.
4. Explain about the Spanning Tree Protocol (STP).
5. Write a short note on Internet Protocol (IP).
6. Why should we build a Hybrid Cloud?
7. Explain about the Data Center Cabling Infrastructure.

PART B (5 × 10 = 50 Marks)

Answer any FIVE questions.

8. Give an detailed account on greenhouse gas emissions.
  9. Write a short note on Horizontal cabling and backbone cabling.
  10. Explain the types of server clusters.
  11. Illustrate the Map Address mapping.
  12. How to Mix the RBridges with Bridges. Explain.
  13. Illustrate 40 Gigabit Ethernet Architecture in detail.
  14. Summarise : Virtual Private LAN Service (VPLS).
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**DIP-C-194**

**DCC - 05**

**DIPLOMA EXAMINATION**

**DECEMBER 2020**

**CLOUD COMPUTING**

**CLOUD SECURITY**

Time : 3 hours

Maximum marks : 75

**PART A — (5 × 5 = 25 marks)**

Answer any FIVE the questions.

1. What is cloud security?
2. Explain about Block ciphers.
3. Explain the Multi - tenancy Issues.
4. What is Virtualization system vulnerabilities?
5. Write about Guest Hopping.
6. Explain the types of IDS.
7. Discuss right to Penetration test.

PART B — (5× 10 = 50 marks)

Answer any FIVE questions.

8. Discuss in detail about Cryptographic Systems.
  9. Explain the access control.
  10. Explain about the Multi - tenancy in cloud service models.
  11. Discuss the Hyper jacking.
  12. Write about virtualization based sand boxing.
  13. Write the DB level isolation.
  14. List out the compliance for the cloud provider
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