

DIP-382

DCC-02

**DIPLOMA EXAMINATION –
JUNE, 2019.**

CLOUD ARCHITECTURE

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Brief about public cloud.
2. List out the challenges of Cloud Computing.
3. Explain the cloud applications in detail.
4. Write short note on Microsoft Cloud Platform.
5. Write short note on Cloud Economics.
6. Explain about the Google App application development environments.
7. How to adopt cloud computing architecture - Analyse.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Discuss Public Vs Private cloud in detail.
 9. Illustrate next generation cloud applications.
 10. How to deploy the web services outside the cloud architecture.
 11. Discuss Cloud Service Management.
 12. Explain the security services in Cloud.
 13. Explain the service creation environments to develop cloud.
 14. Discuss Total Cost of Ownership (TCO).
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DIP-383

DCC-03

**DIPLOMA IN CLOUD COMPUTING
EXAMINATION –
JUNE 2019.**

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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DIPLOMA EXAMINATION – JUNE 2019.**DATA CENTRE NETWORKING**

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Illustrate: Data Center Scalability — Networks.
2. Explain the Temperature Control in Data Center.
3. Explain the advantages of Top of Rack.
4. Brief about Scale Up.
5. Discuss the Physical Management Interfaces in CISCO.
6. Write short note on IEEE 802. 1D Spanning Tree Protocol
7. Brief about IPv4 Address.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Elaborate – Uninterruptible Power Supply Systems.
 9. Discuss Raised Floors & Hard Floors in Data Center.
 10. Write short note on Top-of-Rack Architecture.
 11. Discuss Pod Approach.
 12. Illustrate Server Cluster.
 13. Elaborate 40 Gigabit Ethernet and 100 Gigabit Ethernet Architecture
 14. Illustrate Auto configuration of Hosts.
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DIP – 385

DCC-05

DIPLOMA EXAMINATION – JUNE 2019.

Cloud Computing

CLOUD SECURITY

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. What is Cloud Security? Explain.
2. Discuss confidentiality in Security Architecture,
3. What is Multi-tenancy? Explain.
4. List out the 3 types of cloud provider. Explain any one.
5. Brief about Virtual Machine 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. Illustrate access control.
9. Discuss defence in depth.
10. Discuss Multi-tenancy in cloud service models
11. Elaborate DB level isolation.
12. Explain VM Migration Attack.
13. How to implement the security policy using a system sandbox.
14. Explain the modern security standards in detail.
