DIP–220	DCC–04

DIPLOMA EXAMINATION — JUNE 2018.

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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