

MSc IT in IMS Sem.-1 Examination

MSCIMS-404

Fundamentals of Data Cen

January-2024

Time : 2-30 Hour]

[Max. Marks : 70

Instructions:

1. Figures to the right indicates full marks.
2. Neat diagrams must be drawn wherever necessary.

Q-1 Answer any Two of the Following Questions:**[14]**

- (A) What are the goals of data center? Explain any two of them with example.
- (B) List the advantages of data center. Explain any three of them.
- (C) Briefly explain the application architecture model in data center.

Q-2 Answer any Two of the Following Questions:**[14]**

- (A) Explain why geographical location plays an important role during data center Design?
- (B) Why we need data center? Explain.
- (C) Explain Thick and Thin client Architecture.

Q-3 Answer any Two of the Following Questions:**[14]**

- (A) Describe BC planning life cycle of data center.
- (B) Write down the difference between Intranet, Extranet and Internet.
- (C) Describe Multi-Tier design of data center.

Q-4 Answer any Two of the Following Questions:**[14]**

- (A) Briefly explain the design characteristics of data center.
- (B) List data center prerequisites and explain any three of them.
- (C) What do you mean by DMZ? Explain.

Q-5 Write Full form of the Following:**[14]**

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|----------|----------|----------|----------|------------|
| (1) ISP | (2) UPS | (3) BC | (4) QOS | (5) RPO |
| (6) VPN | (7) RPT | (8) RPO | (9) CAN | (10) HTTPS |
| (11) CIA | (12) STP | (13) BIA | (14) AWS | |

