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MASTER OF COMPUTER APPLICATIONS
(Specialization in Cloud Technology)
EXAMINATION :MAY - 2024
SEMESTER - II
Sub: Fundamentals of Storage and Data Centers (MCCL 23-204)

Date :25/05/2024	Total Marks : 60	Time: 10.00 am to 12.30 pm

Instruction:
1. *All questions are compulsory unless and otherwise stated.*
2. *Bold figures to the right of every question are the maximum marks for that question.*
3. *Candidates are advised to attempt questions in order.*
4. *Answers written illegibly are likely to be marked zero.*
5. *Use of scientific calculators, Log tables, Mollier Charts is allowed.*
6. *Draw neat and labelled diagram wherever necessary.*

Q.1.   Answer the following in 2-3lines. (Any 5) **(10)**

1. Define Data Center.

2. Define DAS.

3. Define SAN.

4. What is Raised Floor?

5. What is Plenum?

6. Define Aggregation Layer.

7. Define BC terminology.

Q. 2.   Answer the following in short. (Any 4) **(20)**

1. Write the differences among the types of data.

2. Describe the components of a Storage System Environment.

3. Define NAS.Explain the components of NAS.

4. What are the characteristics of an Outstanding data center Design?

5. Define Server Farms. Explain the types of server farms.

6. Explain briefly the types of Modes of remote replications.

Q. 3.   Answer the following in detail. (Any 3) **(30)**

1. What are the types of RAID levels? Explain briefly with the help of diagram.

2. What are the Disk Drive components? Explain briefly with diagram.

3. How to Design and Plan against Vandalism?

4. Write the key aspects of the storage layer in server farms.

5. Write the key considerations for restoring and restarting systems effectively.