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April-May 2026

Total No. of Questions : 5]

SEAT No. :

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F.Y. M.C.A. (Management)

FCC 510 MJ : Fundamentals of Cloud Computing

(2025 Pattern) (Semester - I)

Time : 2½ Hours] *[Max. Marks : 45*

Instructions to the candidates :

1) *All questions are compulsory.*
2) *Figures to the right indicate full marks.*

Q1) a) Definition of cloud computing. Explain its evolution. **[5]**

b) Discuss containers, compare containers and virtual machines. **[5]**

OR

c) Discuss characteristics, & explain pros & cons **[5]**

d) Comparision between cloud and cluster computing **[5]**

Q2) a) Explain deployment models with examples (any three) **[5]**

b) Describe the types of cloud storage (any 3 types) **[5]**

OR

c) Why is Xaas becoming popular in cloud environment? With example. **[5]**

d) Compare Block storage, file storage, & object storage using real world examples. **[5]**

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Q3) a) Define machine image & virtual machine (VM), Explain how VM's are created and managed using machine images **[10]**

OR

b) What is a hypervisor? Explain the difference between type 1 & type 2 hypervisor with example. **[10]**

Q4) a) Explain in detail service level agreement & explain with example. **[10]**

OR

b) Case Study :

Airbnb : Travel & Hospitality

As Airbnb repidly grow in popularity, it faced challenges managing its infrastructure and supporting a high volume of traffic while providing consistent performance across global locations, give/suggest the best cloud platform which solve the above problem, and provide the results. **[10]**

Q5) Write a short on (any two) : **[5]**

a) Edge cloud computing.

b) SOAP vs REST

c) Google cloud platform (GCP)

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