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MASTER OF COMPUTER APPLICATIONS
(Specialization in Cloud Technology)
EXAMINATION : JANUARY - 2025
SEMESTER - III
Sub: Hybrid Cloud Computing (MCCL 23-303)

Date : 09/01/2025**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. Difference between elasticity and scalability in cloud computing.
2. What is on-demand self-service and resource pooling?
3. List some driving factor toward clouds.
4. How does cloud computing differ from Internet?
5. Write any two characteristics of public cloud and hybrid cloud
6. What is the major revolution introduced by Web 2.0?
7. Give two names of popular Software as a Service solution.

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

1. Why Cloud Computing is Becoming Highly Important?
2. Multi-cloud vs. hybrid cloud: What's the difference?
3. What are benefits of Hybrid Cloud?
4. What is multi-tenancy and its advantage?
5. Write a short note on Virtual Machine
6. What is the difference between cluster and cloud computing?

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

1. Discuss the advantages and disadvantages of using a public cloud versus a private cloud for a business
2. What are some common cloud computing services, and how are they used in business contexts?
3. Design the architecture of PaaS and SaaS in cloud computing? Also, explain the different categories of PaaS and SaaS with example.
4. What are the pitfalls of hybrid cloud architecture?
5. How do vendor lock-in risks impact hybrid cloud choices?
