**Module-1**

Cloud Computing Architectural Framework:

Cloud Benefits, Business scenarios,

Cloud Computing Evolution,

cloud vocabulary,

Essential Characteristics of Cloud Computing,

Cloud deployment models,

Cloud Service Models,

Multi- Tenancy,

Approaches to create a barrier between the Tenants,

cloud computing vendors,

Cloud Computing threats,

Cloud Reference Model,

The Cloud Cube Model,

Security for Cloud Computing,

How Security Gets Integrated.

**Module-01**

Questions

1. Describe the architectural framework of a cloud with suitable illustrations.
2. It is said, ‘cloud computing can save money’. What is your view? 5 m or
3. Discuss in detail the benefits of cloud computing.
4. What do you mean by virtualization and how VMs are implemented in real-world.
5. Explain evolution of cloud computing with neat diagram. – 10 m
6. Define cloud computing based on its attributes. 10 m
7. Illustrate relevant technologies in cloud computing.
8. Discuss SPI Framework for cloud computing with neat diagram. 10 m
9. Name the essential characteristics of cloud computing.
10. Give the importance of cloud computing and elaborate the different types of service delivery models offered by it. or
11. Discuss the Infrastructure-as-a-Service, Platform as a service and Software as a service. or
12. Briefly explain each of the cloud computing services delivery models. Identify two cloud providers (CSP) by company name in each service category.
13. List and explain different cloud deployment models supported.
14. What is multitenancy? What are the benefits and drawbacks of multitenancy?
15. Discuss different approaches to create a barrier between the tenants / Approaches of Multi Tenancy in Cloud.
16. List some examples of CSPs and their respective offerings.
17. Summarize about the Cloud Computing Reference Model with a neat diagram. or
18. Illustrate in detail about The Conceptual Reference Model of cloud.
19. Illustrate in detail the Cloud Cube Model , which helps to select cloud formation for secure collaboration / helps to categorize the cloud network based on the four-dimensional factor.
20. What are the security challenges in cloud computing?
21. Analyse the different security threats in implementing cloud services.

**Module-02**