

5 Que — 2 Marks

3 Que — 10 Marks / 5 Marks

unit 1

Q. what is virtualization.

→ Virtual version of hardware, network, storage, etc. x86 arch. 4 rings 0, 1, 2, 3 zero is closest to kernel. we can mention examples and products.

Q. Techniques of virtualization

→ ① Full ② Para ③ Hardware assisted.

(explain in points and with label labelled diagrams using binary)

Q. Types of Virtualization

→ 10 types.

memory, SAN (Storage area network), Network, Input output, Applications, server, OS. these are important.

- Justify according to the marks.
- Write in proper points and well labelled.

Q. What is LAN

Q. What is VLAN

Q. What is SAN.

} advantages/characteristics, etc. can be asked.

Q. Advantages or char. of Virtualization.



Q. Taxonomy

Q. Parallel & Distributed Computing.

Unit 2.

Q. What is cloud computing.

→ and advantages can also asked.

Q. Roots of cloud computing.

Q. NIST definition of cloud computing.

Q. Infrastructure IaaS, PaaS, SaaS.

Can be asked in detailed also.

Q. Deploy Model.

Q. Service attributes

→ 3 attributes in NIST

→ on demand, ..... etc.

Q. Features of cloud.

Q. Two methods of migrating into cloud.

→ 7 step model, ....

Q. Interoperability

Data and

Infrastructure & platform: → OVF.

Q. Features of OVF.



- Q. Agents of cloud architecture.
- Q. Load Balancer.
- Q. Architecture (Dynamic).
- Q. Capacity Planning → 10 marks maybe with example
- Q. Exploring the cloud computing stack.
- Q. Diff. virtualization and cloud computing.
- Q. SLA (service level agreement) and SOA.  
service oriented Arch.

### Unit 3

#### \* Streaming in Cloud.

- processing.
  - Loading → Youtube video
  - Buffering.
- Streamed material can be live or on-demand.
- progressive  
eg: live match
  - already stored to storage.  
eg: match highlights