

## Important Portion of Cloud Computing

### Unit1:

What is cloud computing  
Characteristics of CC  
Types of Service models and advantages  
Deployment models  
Security in public cloud  
Dynamic cloud Infrastructure

### Unit 2:

Computing on Demand(CoD) characteristics  
Cloud Business Process Management(BPM)  
Types of cloud solutions in CC  
cloud solution characteristics of Cloud Service Management  
Identifying BPM opportunities  
Cloud Technical Strategy  
Cloud strategy support areas

### Unit 3:

Information Lifecycle Management(ILM)  
Virtual Desktop Infrastructure(VDI)  
Cloud Analytics  
Information Security in cloud service  
Asset Management strategy (factors)  
Cloud Chargeback model  
Provisioning process and its benefits  
Cloud Governance  
Storage cloud

### Unit 4:

Storage Area Network(SAN)  
Types of Virtualization Technologies and benefits  
Hypervisor Management Software  
Hardware virtualization and OS virtualization  
Virtualization Initiatives  
Storage Virtualization in cloud computing  
Network Attached Storage(NAS)  
NAS protocols, NAS Interconnects and NAS Requirements  
Cloud Server Virtualization (Datacenter Virtualization, Virtual Datacenter Management and control, Dynamic Resource, High Availability)  
Storage Area Network  
Server Virtualization and types in it  
Network Attached Storage(NAS)

Unit 5:

SOA and importance of SOA

SOA life cycle highlighting Seven steps

SOA and Infrastructure as a service

SOA-Based Cloud Infrastructure Steps

OLTP Benchmark

Business Intelligence Benchmark

e-Business Benchmark

ISV Benchmark

Management tools and resources in building efficient SOA Business and IT Services  
cloud performance monitoring commands