**Cloud Computing -**

**Module 1**

1. cloud reference model,

2. A closer look(practical application - 1.1.3),

3. Characteristics and benefits \* (1.1.5 includes main frame pg 16)

4. bird view of cloud computing(Subscription - Oriented Cloud Services)

**Module 2**

5. virtualization type 1 and 2 -

6. Machine reference model(diagram and explain)

7. virtualization technique (Hardware-assisted virtualization, Full virtualization, Paravirtualization Partial virtualization explain two)

8. Characteristics of virtualization environments(pg 71 - 74[guest, host layer])

**Module – 2 & 3**

\*Cloud computing architecture

\*Iaas

\*Paas

\*Types of cloud

\*Risk faced by cloud users and three broad classes of risk

\*Trust and prerequisite of trust

\*6 attacks with neat diagram

\*Cloud users in privacy impact and os security

**Module – 4 & 5**

\*Virtual Security Services provided by VMM and Explain TCB

\*security risk Posed By Management OS

\*what are the services offered by AWS ecosystem explain EC2 and S3 services in detail

\*Structured storage solutions offered by Amazon

\*Google App engine platform architecture

\*Application Life cycle of Google App engine

\*With the help of diagram explain how do you perform ECG analysis in cloud

\*How do you Perform Gene Expression Data Analysis for Cancer Diagnosis using Cloud