

UNIT – I

Q.1 What is cloud computing? Give and explain the challenges, risk and approaches of migration into cloud. [16]

OR

Q.1 (a) Write and explain the ethical issues of cloud computing in detail. [8]

(b) Write short note on ubiquitous cloud and internet of things. [8]

UNIT – II

Q.2 Give and explain the cloud reference model, along with its layers and types of clouds. [16]

OR

Q.2 (a) Give architectural design of compute and storage clouds. [10]

(b) Write short note on fractures of cloud programming. [6]

UNIT - III

Q.3 What is virtualization technology? Explain implementation level of virtualization along with benefits of virtualization. [16]

OR

Q.3 Write short notes on the following:

- (a) Virtual cluster and resource management [8]**
- (b) Virtualization of data-center. [8]**

UNIT - IV

Q.4 Explain cloud security services along with design principles and security challenges in detail. [16]

OR

Q.4 Explain data security in cloud in contrast to the following:

- (a) SLA (Service Level Agreements) [6]**
- (b) Risk Mitigation [5]**
- (c) Trust Management rtuonline.com [5]**

UNIT - V

Q.5 Write short notes on following (any two): [8×2=16]

- (a) Cloud application platform – Integration of private and public cloud**
 - (b) CRM and ERP**
 - (c) Cloud scientific application**
 - (d) Third party cloud services**
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