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M. E. (Information Technology)
Third Semester
MEIT-313: Cloud Computing

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt _five_ questions in all, including Question No. I which is compulsory and selecting two questions from each Unit.

x-x-x

I. Define the following:-

a) Utility Computing

b) Virtualization

c) Identity Management

d) Storage as a Service

e) Service Hijacking

(5x2)

UNIT – I

II. Define Cloud computing, Enlist and explain essential characteristics of cloud Computing. Discuss its benefits and challenges too. (10)

III. What is the difference between process virtual machines, host VMMs and native VMMs? Enlist and explain some of the common pitfalls that come with Virtualization. (10)

IV. a) How cloud is different from grid computing? Discuss in detail its different service and deployment models.

b) Discuss the cloud federation stack considering open stack as a case study. (6,4)

UNIT – II

V. Discuss the benefits, challenges of multi-cloud management system taking Right Scale as a case study. (10)

VI. Why Cloud Computing brings new threats? What is secure execution environment and communication in cloud? Explain different threats and vulnerabilities specific to virtual machines. (10)

VII. Explain the following:-
a) Business Intelligence on Cloud.
b) Selection Criteria for cloud deployment (2x5)

x-x-x