

Exam.Code:1007  
Sub. Code: 7715

1129

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. 1 which is compulsory and selecting two questions from each Unit.

x-x-x

1. 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