

Exam.Code:0925  
Sub. Code: 6866

1078  
B.E. (Information Technology)  
Seventh Semester  
Elective – II  
ITE-744: 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

I. Attempt the following:-

- What are the different data types used in cloud computing?
- What is the need of heterogeneous cloud?
- What do you mean by software as a service?
- What is the difference between scalability and elasticity?
- Differentiate between Public and Private Cloud. (5x2)

UNIT – I

- What is Cloud? Explain its features, services and deployment models. (10)
- 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. (6,4)
- Explain conceptual architecture of OpenStack and its modes of operation with the help of diagram. (10)

UNIT – II

- What are the key features of multi-cloud management? Explain the opportunities associated with multi-clouds.
  - What are the possible future technology trends in the area of cloud computing? Explain in view of cloud deployment models and cloud applications. (5,5)

P.T.O.

(2)

- VI. a) Give the diagrammatic representation of cloud security reference model.  
b) Discuss the security risks associated with Cloud Computing in context of server, network and application security. (5,5)
- VII. What are the benefits of adopting cloud computing environment in the field of social networking and business. (10)

x-x-x