

Exam.Code:0925
Sub. Code: 6866

2021
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. Define the followings:-
- Hypervisor
 - Service Hijacking
 - Cloud management layer
 - Threat
 - IaaS

UNIT – I

- II. With respect to NIST cloud computing reference model, explain the following with suitable schematics and examples:-
- Essential Characteristics
 - Service Models (5+5)
- III. What are different deployment models of cloud? Discuss the implementation of these deployment models using Openstack. (10)
- IV. a) What is virtualization ? Discuss with examples the impact of virtualization over different cloud services.
- b) Amazon Machine Images (AMI) use Hardware Virtual Machine (HVM) as well as Para Virtualization (PV). Mention the respective situations in which AMI's can use PV or HVM. (6+4)

UNIT – II

- V. Explain the security concerns in traditional IT. What are the challenges in cloud computing in terms of application security, server security and network security? (10)

P.T.O.

(2)

- VI. What is business intelligence? How is cloud helpful in big data analytics? Discuss by taking reference to social networking. (10)
- VII. Write short notes on any two of the following:-
- a) Future trends in cloud delivery models
 - b) Multi-cloud management
 - c) Cloud computing in Business (5+5)

x-x-x