

**Exam. Code: 0925**

**Sub. Code: 6866**

**1128**

**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. I which is compulsory and selecting two questions from each Unit.*

*x-x-x*

I. Attempt the following:-

- a) What are workload patterns?
- b) Give the definition of Grid and Cloud.
- c) What is the role of Hypervisors in Virtualization Hardware?
- d) What is Server Virtualization?"
- e) List out any four current issues in cloud computing leading to future research directions. (5x2)

**UNIT -I**

II. a) What is the role of Virtualization in Cloud Computing? Give the architecture of Virtualization.

b) What are the benefits of virtual machines? (6,4)

III. Write down the short note on working with Public Cloud. (10)

IV. a) Give the implementing steps of private cloud on Eucalyptus.

b) Write down the characteristics of IaaS , PaaS and SaaS? (5,5)

**UNIT -II**

V. a) What are the challenges in cloud computing in terms of application security and Network security?

b) Explain the Security reference Model. (5,5)

VI. a) What are the challenges in managing heterogeneous clouds?

b) What are the benefits of Multi-Cloud Management Systems? (5,5)

VII. Write down the short note on future directions in Cloud Computing. (10)

*x-x-x*