

Time allowed: 3 Hours

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:-

- a) What is meant by IaaS?
- b) State any two benefits of cloud computing.
- c) Comment on the industry standard for cloud computing.
- d) What is server virtualization?
- e) Discuss the features of the physical layer in a private cloud.
- f) What are the primary security concerns in traditional IT?
- g) State any two applications of business intelligence using cloud.
- h) Discuss the main features of any cloud in industry domain with focus on life sciences.
- i) Define fog computing and its benefits.
- j) What is mobile cloud computing? (10x1)

UNIT – I

- II. Discuss the various cloud computing deployment models. (10)
- III. Elaborate the different VM migration techniques. (10)
- IV. Identify the various challenges and issues in implementing a public cloud using AWS or Azure or RackSpace. (10)

UNIT – II

- V. Discuss the various threats and attacks to cloud security. What measures can be taken to overcome these threats and attacks? (10)
- VI. What are the challenges in managing heterogeneous clouds? Discuss. (10)
- VII. Write short notes on:- (5,5)
 - a) Edge Computing
 - b) Future Research Directions in Cloud Computing

x-x-x