MASTER OF SCIENCE
(INFORMATION SECURITY)
(MSCIS)
Term-End Examination
December, 2023

MSE–030 : CLOUD AND INFRASTRUCTURE SECURITY

Time : 2 Hours   *Maximum Marks : 50*

Note : *Question no. 1 is compulsory. Attempt any three questions from the rest.*

1. Explain the following in brief :   4×5 = 20

    (a) Applications of cloud computing

    (b) Resource pooling architecture

    (c) Importance of virtualization

    (d) Pros and Cons of IaaS

2. How to choose appropriate deployment model ?

10

3. Compare and contrast cloud computing, cluster computing and grid computing.   10

4. Describe various hypervisor based virtualization approaches like full virtualization, para virtualization and h/w-assisted virtualization.   10

5. Define scaling concept in cloud computing. Explain the following scaling strategies :   10

   (a) Proactive scaling

   (b) Reactive scaling

   (c) Combinational scaling