MSE-029

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

MSE-029 : CYBER ATTACK : USE OF TECHNOLOGY IN CYBER SPACE

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) OSI Reference Model

   (b) Server Security Principles

   (c) Cyber Attack Recovery Procedure

   (d) Advantages and disadvantages of Open Source Intelligence in Cyber Security with respect to OS.

2. What do you mean by server threats ? Discuss any *two* threats in detail with an example.   10

3. Explain the importance of Confidentiality, Integrity and Availability of a typical networked IT system. 10

4. Explain cyber security at network and application layer of a typical IT system. 10

5. Write and explain any *five* strategies for mitigating cyber attacks. 10