MASTER OF SCIENCE
(INFORMATION SECURITY)
(MSCIS)
Term-End Examination
June, 2025

MSE-036 : LATEST TRENDS IN INFORMATION AND CYBER SECURITY

Time : 2 Hours   *Maximum Marks : 50*

Note : *(i)*   *Question No.* ***1*** *is compulsory.*

     (ii)   *Attempt any* ***three*** *questions from the rest.*

1. Write short notes on the following (any *four*) :

         4×5=20

   (a)   Tokenization

   (b)   AI Ethics

   (c)   Zero Trust Security

(d) User and Entity Behaviour Analytics (UEBA)

(e) Supply Chain Security

2. Describe the evolution of the concept of 'cyber resilience'. Why is it critical for modern cybersecurity strategies ? 10

3. Describe the role of automation and orchestration in streamlining incident response and reducing cybersecurity risks.

10

4. Explain the role of blockchain technology in enhancing cybersecurity. How does block-chain contribute to secure the data and transactions, and what are the emerging use cases for blockchain in cybersecurity ? 10

5. What are the key concepts of Storage Security ? Describe the emerging usecases for Distributed File System Architecture. 10

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