

**MASTER OF SCIENCE
(INFORMATION SECURITY)
(MSCIS)**

Term-End Examination

June, 2026

**MSE-029 : CYBER ATTACK : USE OF
TECHNOLOGY IN CYBERSPACE**

Time : 2 Hours

Maximum Marks : 50

Note : (i) *Question No. 1 is compulsory.
Attempt any **three** questions from
the rest.*

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1. Explain the following in brief : 4×5=20
 - (a) Explain the concept and need of Cyber Defense.
 - (b) Server Security Principles
 - (c) Characteristics of cyberspace
 - (d) Explain Personal Data Protection Act.

[2]

2. What is Open Source Intelligence in Cyber Security ? Describe it uses and examples. 10
3. Explain Cyber Security at network and application layer of a typical IT system. 10
4. Write and explain any *five* vulnerabilities in software application. 10
5. Explain TCP/IP model. How is it a concise version of the OSI model ? 10

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