

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

Term-End Examination

December, 2024

**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. Answer the following in brief : 4×5=20
 - (a) Explain CIA Triad in cyber security.
 - (b) What is the difference between ISO and OSI ? Explain the functionalities of network and transport layers.
 - (c) Explain the role of Data Protection Board of India in Personal Data Protection Act (compliances).
 - (d) Explain the use of OSINT framework.

2. Explain vision, mission and objectives of National Cyber Security Policy. 10
3. Explain web-based attack and system-based attack in detail. 10
4. Write down the differences between active and passive attacks. Explain any *three* attacks of each one. 10
5. Explain any *five* network security protocols. 10

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