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MSE–029

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

Term-End Examination

June, 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) Write down some important counter cyber Security Initiatives in India.
 - (b) Explain the attacks possible in confidentiality and integrity of a system.
 - (c) Explain Personal Data Protection Act.
 - (d) Explain the framework focused on gathering information from free tools or resources.

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2. Explain TCP/IP model. How is it a concise version of the OSI model ? 10
3. What are specific Security mechanisms and pervasive security mechanisms ? Explain any *five* specific security mechanisms. 10
4. Explain the relationship between Security Services and mechanism. 10
5. Explain any *five* Modern Network Security Protocols. 10