

**MASTER OF SCIENCE
(INFORMATION SECURITY)/
P. G. DIPLOMA IN INFORMATION
SECURITY (MSCIS/PGDIS)
Term-End Examination
June, 2025
MSEI-025 : APPLICATION AND BUSINESS
SECURITY DEVELOPMENTS**

Time : 2 Hours

Maximum Marks : 50

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- Note :** (i) **Section A :** Answer all the questions.
(ii) **Section B :** Answer any **two** out of three questions.
(iii) **Section C :** Answer any **two** out of three long answer type questions.
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Section—A

1. Write short notes on any *four* of the following : 4×5=20
- (a) PKI

- (b) Spoofing
- (c) CIA
- (d) Active and Passive attacks
- (e) XSS attack

Section—B

Note : Attempt any **two** out of three questions.

- 2. What is Buffer Overflow attack ? How to prevent it ? 5
- 3. Explain threat, vulnerabilities and risk. 5
- 4. Explain the importance of time-stamp. 5

Section—C

Note : Attempt any **two** out of three long answer type questions.

- 5. Explain SQL injection attack. How can it be prevented ? Explain. 10
- 6. Explain White box testing and its advantages and disadvantages over the Black box testing. 10
- 7. Describe the characteristics of firewall in detail. How is it helpful in providing security in network ? 10

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