

**MASTER OF SCIENCE
(INFORMATION SECURITY)/
P. G. DIPLOMA IN INFORMATION
SECURITY (MSCIS/ PGDIS)
Term-End Examination
December, 2024**

MSEI-022 : NETWORK SECURITY

Time : 2 Hours

Maximum Marks : 50

Note : *Question No. 1 is compulsory. Attempt any
three questions from Q. Nos. 2 to 5.*

1. Explain the following in brief in context of
network security : 20

- (a) Electronic signature
- (b) PKI
- (c) Authentication
- (d) WEP

2. Explain Digital Watermarking techniques and their characteristics. Explain possible attacks on digital watermarking. 10
3. Explain IDS and IPS. Explain any *one* technique of IDS and IPS, giving their advantages and disadvantages. 10
4. Differentiate between the following in brief : 10
 - (a) Denial of Service *vs.* Trojan Horse
 - (b) Iris Biometrics *vs.* Fingerprint Biometrics
5. Explain the following with the help of an example of each : 10
 - (a) SQL Injection
 - (b) FDMA
 - (c) CDMA
 - (d) Encryption

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