

**MASTER OF SCIENCE  
(INFORMATION SECURITY)/  
P. G. DIPLOMA IN INFORMATION  
SECURITY (MSCIS/PGDIS)  
Term-End Examination  
June, 2025  
MSEI-027 : DIGITAL FORENSICS**

*Time : 2 Hours*

*Maximum Marks : 50*

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- Note :** (i) **Section A :** Write notes on any *four*.  
(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 notes on the following (any *four*) :

4×5=20

- (a) Use of RADIUS
- (b) Cloud forensic

- (c) Cyber bullying
- (d) Firewall
- (e) Man-in-the-Middle Attacks

### Section—B

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

2×5=10

2. What are the legal issues involved in seizure of the computer equipment ?
3. Explain any digital forensic investigation model.
4. What is data acquisition and duplication ?  
Give a brief description of data acquisition tools.

### Section—C

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

2×10=20

5. Describe Cross Site Scripting (XSS) and Cross Site Request Forgery (XSRF) attacks and steps to thwart/avoid such attacks.

6. Explain 'Log File Analysis'. What is 'File carving' in data recovery ? What is salvaging of data ?
7. What are the counterfeit documents ? What are the steps involved in directional counterfeit documents ? Give a brief note on the duties performed by the examiner. Also discuss the elements of a forensic report.

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