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MSEI–027

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*

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.*

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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