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**MSEI-027**

**P. G. DIPLOMA IN INFORMATION  
SECURITY (PGDIS)**

**Term-End Examination**

**December, 2022**

**MSEI-027 : DIGITAL FORENSICS**

*Time : 2 Hours*

*Maximum Marks : 50*

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***Note : Section–A** : Answer all the objective type questions.*

***Section–B** : Answer all the very short answer type questions.*

***Section–C** : Answer any **two** questions out of three short answer type questions.*

***Section–D** : Answer any **two** out of three long answer type questions.*

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**P. T. O.**

**Section—A**

**Note :** Attempt all the objective type questions.

1 each

1. The first step in a digital forensic process is .....
2. RSA is ..... key cryptosystem.
3. The ..... refers to handing over the results of private investigations to the authorities because of indications of criminal activity.
4. Class 1 Bluetooth devices have the range of ..... metres.
5. IRC stands for .....
6. RAID stands for .....
7. SNMP stands for .....
8. .... bits size for IPv6 protocol.
9. DDoS attack stands for .....
10. A ..... attacker entices computer to log into a computer, which is set up as a AP (Access Point).

**Section—B**

**Note :** Attempt all the very short answer type questions. 2 each

11. What is Electronic Tempering ?
12. Define active and passive reconnaissance in hacking.
13. Write a short note on freezing the scene.
14. What are the *three* major phases of digital forensic ?
15. Define Botnets and E-mail spams.

**Section—C**

**Note :** Attempt any *two* out of three short answer type questions. 5 each

16. What are the Artifacts of Cyber Forensics ?  
What are the artifacts collection steps generally used ?
17. Differentiate among Firewall, IDS and IPS.
18. Describe the major characteristics of financial crimes.

**Section—D**

**Note :** Attempt any *two* out of three long answer type questions. 10 each

19. What are the issues involved with detection of cyber-crimes in India ?
20. What is the procedure of RAM forensics, Hard disk forensics and Mobile forensics ?
21. What are the counterfeit documents ? What are steps involved in detectional counterfeit documents ? Give a brief note on the duties performed by the examiner. Also discuss the elements of a forensic report.