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MSEI-027

P. G. DIPLOMA IN INFORMATION SECURITY (PGDIS)

Term-End Examination

December, 2020

MSEI-027 : DIGITAL FORENSICS

Time : 2 Hours *Maximum Marks : 50*

***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.*

Section—A

***Note* :** Attempt all the questions. 1 each

1. MD5 use ..... bits encryption and SHA256 use ..... bits encryption.

2. VOIP stands for .....

3. Which file system is used in Linux ?

4. Write a command to create an image of Pendrive using dd command.

5. SNMP stands for ..... .

6. EDGE stands for ..... .

7. Which IEEE standards are used for Bluetooth technology ?

8. IMSI stands for ..... .

9. Spam is the use of electronic messaging system to send unsolicited bulk messages indiscriminately .

   (a) True

   (b) False

10. When examining hard disk without a write-blocker, you should not start windows because windows will write data to the ..... .

    (a) Recycle Bin

(b) Case Files

(c) BIOS

(d) MS DOS sys

Section—B

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

11. Explain the concept of data integrity. 2

12. Explain the concept of file carving. 2

13. Explain the use of RADIUS. 2

14. Explain Man-in-the-Middle attacks. 2

15. Explain the Cyber Bullying. 2

Section—C

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

16. Explain the *five* rules of collecting electronic evidence. 5

17. How is Money Laundering different from Banking Crime ? 5

18. Explain any ***two*** types of SPAM. 5

Section—D

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

19. Explain any ***three*** WLAN Security Algorithms in detail. 10

20. Explain MAC Spoofing. Explain the concept of Encryption and Steganography. 10

21. Explain file artifacts, file carving, file recovery, magic code and Hash functions with respect to Cyber Forensics. 10