Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 16410　Roll No. |　|　|　|　|　|　|　|　|　|　|

BCA Examination 2021-22

(Even Semester)

DIGITAL SECURITY AND FORENSIC FUNDAMENTAL

Time : Three Hours]　　　　　*[Maximum Marks : 60*

Note :–　Attempt all questions.

SECTION – A

1. Attempt all parts of the following :　　　　$8 \times 1 = 8$

    (a) Define PGP.

    (b) Define MIME.

    (c) List forensic applications.

    (d) What is digital forensics?

    (e) Explain mac file system.

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(f)   What is hashing?

(g)   Define injection flaws.

(h)   Define forensic imaging.

SECTION – B

2.   Attempt any two parts of the following :   2×6=12

   (a)   Explain in detail the basic concepts of authentication Vs. digital signature.

   (b)   Explain role of firewalls.

   (c)   Explain in detail about computer forensic software tools.

   (d)   Explain NTFS system files.

SECTION – C

Note :–   Attempt all questions. Attempt any two parts from each questions.   5×8=40

3.   (a)   Explain computer forensic hardware tools.

   (b)   Explain firewall related terminology.

   (c)   Explain key material packets in PGP.

4. (a)   What is role of client and server in email investigation?

    (b)   Explain short note on SQL injection and web browser security.

    (c)   Explain the use of computer forensics in law enforcement.

5. (a)   What is live acquisition? How are they performed?

    (b)   Explain operational security? Also discuss people's role in information security.

    (c)   Explain various steps involved in computer forensic investigation.

6. (a)   Write shrot nots on message security.

    (b)   Discuss computer forensic vs. other related disciplines.

    (c)   Explain :

        (i)   FAT 12

        (ii)   FAT 16

        (iii)   FAT 32

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