BRAINWARE UNIVERSITY

Course – MSc. (HN)

Cyber Law (MHN304B)

(Semester – 3)

Time allotted: 3 Hours   **Full Marks: 70**

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group –A
(Multiple Choice Type Question)

10 x 1 = 10

1. *Choose the correct alternative from the following*

(i)   -------- software are programs which are installed onto your computer and can scan and remove known viruses which you may have contracted.
      a. Firmware.   b. Key logger.
   .   c. Adware.   d. Antivirus.

(ii)   Which of the following is not an antivirus software?
      a. AVGB.   b. Code Red.
      c. Avast.   d. McAfee.

(iii)   Key logger is a………
      a. Firmware.   b. Spyware.
      c. Antivirus.   d. All of these

(iv)   Firewalls are used to protect against --------
      a. Data driven attacks.   b. Virus attacks.
      c. Fire attacks.   d. Unauthorized access.

(v)   Which of the following describes programs that can run independently from system to system and disrupt computer communication?
      a. Viruses.   b. Droppers.
      c. Trojans.   d. Worm.

(vi) Hacking with computer systems, Data Alteration is under……….
    a. Sec.66.   b. Sec.67.
    c. Sec.65.   d. Sec.66A.

(vii) Network layer firewall works as a ………..
    a. Packet filter.   b. Frame filter.
    c. Both (a) and (b).   d. None of these

(viii) Cyber terrorism in IPC………….
    a. Sec.66F.   b. Sec.66.
    c. Sec.67A.   d. Sec.65.

(ix) Publishing False digital signature certificate is punishable under ……….
    a. Sec.73.   b. Sec.68.
    c. Sec.67A.   d. Sec.66D.

(x) Proxy firewall filters at
    a. Physical layer.   b. Data link layer.
    c. Network layer.   d. Application layer.

Group – B
(Short Answer Type Question)
(Answer any *three* from the following)

                  3 x 5 = 15

2. Differentiate Symmetric vs. Asymmetric Encryption and Decryption. [5]

3. Write a short note on three types of network intruders. [5]

4. Write a short note on Digital signature. [5]

5. Discuss the advantages of network based Intrusion Detection Systems. [5]

6. Briefly discuss wireless IDPS network architecture by drawing the figure. [5]

Group – C
(Long Answer Type Question)
(Answer any *three* from the following)

                  3 x 15 = 45

7. Draw the block diagram for categorization of smartphone problems and discuss any five new attacks. [5+10]

8. (a) What is Password Cracking? [3]

    (b) Briefly discuss any 4 well known password cracking tools. [12]

9. (a) What are the objectives of I.T. legislation in India? [2]

    (b) Computer related offences are dealt with under which IPC Section? [1]

    (c) After the new amendment, this section is now a widened one with a list of offences. Illustrate these offences. [12]

10. Write a short notes:

    (a) Digital Signature. [5]

    (b) Zero Day Attack. [5]

    (c) Cyber Stalking. [5]