Roll No. ....

FCS/PGDCS-FCS/CEGCS-05/MIT (CS)-105
Introduction to Cyber Security
(MSCCS/PGDCS/ Foundation Course)
1st Semester, Examination 2019

Time : 3 Hours   **Max. Marks : 80**

Note : This Paper is of Eighty (80) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

Section- A
(Long-Answer-type questions)
Note : Section 'A' Contains Five (05) Long-Answer type questions of Fifteen (15) marks each. Learners are required to answer any three (03) questions only.

(3 x 15 =45)

1. Answer the following :

    a. What is an IP address? Explain why IP addresses are required?(7 marks)

    b. Explain the various classes of IPv4 address.   (8 marks)

2. Answer the following :

    a. What is a cyber crime? Define.

          (4 marks)

    b. Classify various types of cyber crime.   (6 marks)

    c. What are the various reasons for commission of cybercrimes?

          (5 marks)

3. Answer the following :

    a. What is Computer Forensics? Explain.   (7marks)

b.   Explain the initial incident management processes in detail.   (8 marks)

4.   Explain the various types of cyber security techniques.

5.   Explain the following terms :

(3 marks each)

a.   National Information Security Assurance Programme (NISAP)

b.   Indo US Cyber Security Forum (IUSCSF)

c.   National Critical Information Infrastructure Protection Centre (NCIPC) of India

d.   Crime and Criminal Tracking Networks and Systems (CCTNS) Project of India.

e.   Data Security Council of India (DSCI)

Section - B
(Short-Answer-Type questions)

Note : Section 'B' contains eight (08) Short-answer type questions of Seven (07) marks each. Learners are required to answer any Five (05) questions only.

(5x7=35)

1.   What is a password manager? List and explain any three popular password managers.

2.   Why Blackberry phones are considered as "Secure" messaging and email devices?

3.   What is F-Droid? Explain how a .apk files are used to install applications in a smartphone.

4.   Write a short note on Open Secure Telephony Network (OSTN)?

5. List the general security tips on using Social Networking Platforms safetly.

6. What is TOR? Explain how does it help us to defend us against tracking and surveillance?

7. What is WLAN? What are the various issues with WLAN?

8. How to check if a website is secure? What are some   of the general facts that one should keep in mind   before making an online purchase?