PGDCS-02/MIT(CS)-102/CEGCS-02
Cyber Security Techniques
P.G. Diploma /M.Sc. Cyber Security
(PGDCS-17/MSCCS-18/CEGCS)
1st Semester, Examination June 2022

Time : 2 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 Twenty (20) marks each. Learners are required to answer any two (02) questions only.

(2 x 20=40)

Q.1   What are the basic elements of policy? List out five basic differences between policies and procedures.

Q.2   What is intrusion detection system? Explain its categories and operating models in detail.

P.T.O.

Q.3   Explain the different aspect of organizational security in detail.

Q.4   What are the major stages of risk assessment? Explain. Give an account on risk control strategies.

Q.5   Write notes on any four from the following :
a)   Digital Evidence

b)   National counter terrorism centre (NCTC)

c)   Social Engineering

d)   E-Commerce

e)   Botnet

Section-B

(Short Answer-type questions)

Note: Section 'B' contains Eight (08) short-answer-type questions of Ten (10) marks each. Learners are required to answer any four (04) questions only.

(4 x 10=40)

Q.1   Define an attack? Discuss various types of attacks.

Q.2   What is an incident? Write down steps to report an incident?

P.T.O.

Q.3   Explain role and functions of CERT-In.

Q.4   List out key features and types of Hardware Security
        Module (HSM)?

Q.5   Discuss various parameters used for purpose of evaluation
        in cyber exercise.

Q.6   Explain the difference between Viruses, Worms, Trojans
        and Bots.

Q.7   What do you understand by cyber bullying? Explain?

Q.8   What is a Malware? As a responsible home user, how can
        you prevent getting infected with malware?

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