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Roll No.

PGDCS-03/MIT(CS)-103/CEGCS-03

Cyber Attacks and Counter Measures: User Perspective

P.G.Diploma/M.Sc. Cyber Security (PGDCS-
17/MSCCS/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 is Cyber Attack? Explain the different types of cyber-attack?

Q.2 What is Security Policy? Explain difference between policy, procedure and guidelines.

P.T.O.

- Q.3 Explain Access Control Techniques and Technologies.
- Q.4 Define Data Communication. What are the Characteristics of Data Communication? Also explain Components of Data Communication.
- Q.5 What is Cloud Computing? Explain the different Cloud Computing Models.

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 What is an Intrusion Detection Systems?
- Q.2 What is the difference between simplex, half duplex and full duplex communication?
- Q.3 What is Software Development Life Cycle (SDLC)? Explain various stages of SDLC.

P.T.O.

- Q.4 What are the advantages and Disadvantages of Waterfall Model?
- Q.5 Explain the Rapid application development(RAD) concept.
- Q.6 What are different types of software prototypes used in the industry?
- Q.7 What is Authentication? How it is different from electronic authentication?
- Q.8 Explain the different types of firewall?
