CEGCS-03/PGDCS-03/MIT (CS)-103 CYBER ATTACKS AND COUNTER MEASURES USER PERSPECTIVE

Certificate of E-Governance and Cyber Security

P.G. Diploma/M.Sc. Cyber Security (CEGCS-16/17/PGDCS-17/MSCCS)

First Semester, Examination-2020

Time Allowed : 2 Hours Maximum Marks : 80

Note: This paper is of Eighty (80) marks divided into Two (02) sections A and B. Attempt the question 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. (2×20=40)

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- Explain the different types of Email abuse.
 Explain the steps to trace the location of an Email sender.
- 2. Explain the following in detail from the viewpoint of Cryptography:
 - (a) Encryption
 - (b) Decryption
 - (c) Key
 - (d) Digital Certificate
- 3. Explain the various steps involved in digital forensic investigation.
- 4. Explain different types of authentication factors in details.
- 5. What are the methods of safeguard your system from malicious attacks?

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. (4×10=40)
- 1. What is Hacktivism?
- 2. Explain difference between ALO, ARO and SLE.
- 3. What are the desired outcome of the information security governance?
- 4. What do you understand by encryption? Which way it helps in securing the information?
- 5. What is the Concept of Agility with respect to Software Development.

- List some of the guidelines to create a strong password.
- 7. Write short notes of the following :
 - (i) SRS
 - (ii) MAC address
- 8. Explain the following terms :
 - (i) Hash function
 - (ii) Public Key encryption.
