

Total No. of Printed Pages : 4

Roll No.....

CEGCS-01/PGDCS-01/MIT (CS)-101
FUNDAMENTALS OF INFORMATION
SECURITY

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)

1. What are the different tactics to ensure computer security and maintain privacy?
2. Discuss the concerns that must be addressed before starting an e-commerce company.
3. Describe the personnel who should be involved in the development of an information security policy. Whom should the policy cover?
4. Using the concept of defense in depth, what layers might we use to secure ourselves against someone removing confidential data from our office on a USB flash drive?
5. What is Hacking? Classify different types of Hackers.

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 do you mean by redundant and fault-tolerant design?
2. What are the challenges in the implementation of E-governance?
3. Write a short note on Electronic fund Transfer.
4. What is Cyber espionage?
5. What is Cross Site Scripting?

6. What is Phishing?
7. Write short notes on the following :
 - (i) SMTP
 - (ii) Botnet
8. What is Firewall? Explain the types of Firewall.
