

Total No. of Printed Pages : 4

Roll No.....

FCS/PGDCS-FCS/MIT (CS)-105/CEGCS-05
INTRODUCTION TO CYBER SECURITY
(MSCCS/PGDCS/Foundation Course)

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. Answer the following :
 - (a) Explain the Brief History of Internet. 7
 - (b) Explain World Wide Web. 7
 - (c) Explain hierarchical organizational structure in structures cyber crime. 6
2. Explain the following terms :
 - (a) What do you mean by Malware? 7
 - (b) Explain various types of Malwares. 7
 - (c) What are the various kinds of cyber crime? Explain. 6
3. Explain the various types of cyber security techniques. 20
4. Explain the following terms :
 - (a) National Counter Terrorism Center (NCTC). 4
 - (b) Computer Emergency Response Team-India (CERT-in). 4
 - (c) National Critical Information Infrastructure Protection Centre (NCIPC) of India. 4
 - (d) National Intelligence Grid (Natgrid) project of India. 4
 - (e) National Cyber Coordination Centre (NCCC). 4

5. Answer the following :

- (a) What is an Internet Browser? 6
- (b) What are the points that should be kept in mind while selecting a best browser for your computer? 7
- (c) What is Text Secure? Explain its working. 7

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. Explain various techniques by which a potential hacker gets hold of the password.
- 2. What is a password manager? List and explain any three popular password managers.
- 3. Explain what are the Inbound and Outbound Rules in a Windows fire wall.
- 4. What are the different types of operating systems available for a smart phone? Explain.

5. What is a branded and a locked smart phone? Explain.
6. Form where new applications of APPS are installed in a smart phone? Describe some popular platforms.
7. List the general email security tips.
8. What is WLAN? List the factors why WLANs are becoming more acceptable these days.
