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Total Pages : 3

Roll No.

**FCS/PGDCS-FCS/CEGCS-05/
MIT (CS)-105**

Introduction to Cyber Security

(Foundation Course)

1st Semester Examination, 2022 (June)

Time : 2 Hours]

Max. Marks : 100

Note : This paper is of Hundred (100) 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 six (26) marks each. Learners are required to answer any Two (02) questions only.
(2×26=52)

1. Define Computer Forensics. Explain initial management processes.

2. Explain the concept of Virtual Private Network (VPN).
3. What is internet? Explain the history of Internet.
4. What is IP address? Explain the types of IP Address Classes with an example.
5. Explain the architecture of Firewall. What are the various characteristics of Firewall?

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Twelve (12) marks each. Learners are required to answer any Four (04) questions only.

(4×12=48)

1. What is a password manager? How does it work? List some of the popular password managers.
2. What is World Wide Web? Explain.
3. What is Cyber Crime? How is it classified? What are the different types of Cyber Crimes?
4. What do you understand by the terms "STEGANOGRAPHY"?

5. What is Wireless LAN? How to secure wireless network infrastructure?
 6. Compare between symmetric key encryption and asymmetric key encryption.
 7. What is DNS? How DNS Works?
 8. What is malware? Explain its types.
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