823

FCS/PGDCS-FCS/ CEGCS-05/MIT(CS)-105
Introduction to Cyber Security
(Foundation Course)
Examination 2021 (Winter)

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 x 26=52)

Q.1.   (a)   Explain Domain Name System.   8

        (b)   Explain the reasons for Commission of Cyber Crimes.   8

        (c)   What is Internet Address? Explain IP address class in detail.   10

P.T.O.

Q.2 (a) Explain the difference between Salami Attack and Denial of Service Attack . 8

(b) Explain the difference between Authentication and Authorization in detail. 8

(c) What is Spamming? Define the criteria based on which an email can be classified as spam. 10

Q.3 (a) What do you understand by Digital Signature? Explain the requirements of digital signature system and also list the security services provided by digital signature. 16

(b) Describe the approaches used for Intrusion detection in a system. 10

Q.4 Explain the following terms:

(a) National Information Security Assurance Programme (NISAP) 7

(b) Indo US Cyber Security Forum (IUSCSF) 7

(c) Cross site scripting 7

(d) Encryption 5

Q.5 (a) What is Antivirus? Difference between free antivirus and paid antivirus? Explain is it safe to use free antivirus in computer machine . 16

(b) What do you understand by Firewall? Explain its types. 10

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 x 12=48)

Q.1 What are the various types of motivations that lure the people for cyber crime?

Q.2 What is data diddling? Explain with an example.

Q.3 What s data privacy? What are the responsibilities of a company handling personal data?

Q.4 Explain what are the Connection Security Rules in a Windows Firewall.

Q.5 What is Safe Browsing? What are the guidelines for safe internet browsing?

Q.6 What is Cache clearing? Explain why cache clearing operation is important for a computer machine.

Q.7 What is Social Media? What are the general tips to use social networking platforms safely?

Q.8 What is a Smartphone? Explain branded and locked Smartphone.

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