S-750

Total Pages : 5   Roll No. --------------

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

Introduction to Cyber Security

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

2ND Semester, Examination 2022(Dec.)

Time: 2 Hours   Max. Marks: 70

Note : This paper is of Seventy (70) 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 Nineteen (19) marks each. Learners are required to answer any two (02) questions only.

[2 x 19 = 38]

P.T.O.

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Q.1. Discuss the following in detail along with the example of each: (3.8 Marks each, 3.8 x 5 = 19)

    a.   Salami Attack

    b.   Data Diddling

    c.   Cyber Squatting

    d.   Logic Bombs

    e.   Web Jacking

Q.2. Discuss the following in detail: (Marks are mention against each question)

    a.   Discuss smartphone security guidelines.
            (7 Marks)

    b.   Differentiate between Virus, Worms and Trojan Horse. (8 Marks)

    c.   Hacking and Spamming with examples of each. (4 Marks)

Q.3. Discuss the following in detail: (Marks are mention against each question)

    a.   Purpose and usage of OTP authentication. Its Methodology of working. How does its help to provide more security to the end user?
            (7 Marks)

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b. Discuss any four cyber crime incidences with details. (8 Marks)

c. Discuss Two Step verification system by Google, its usage, importance, working and impact on the society as a whole. (4 Marks)

Q.4. Discuss the following in detail: (Marks are mention against each question)

a. Discuss the guidelines for choosing a good password, changing it regularly and protecting the password with examples of good and bad passwords. (7 Marks)

b. Purpose of Antivirus. Its usage methodologies. 5 examples of free antivirus. (8 Marks)

c. Safe Browsing with strategies and examples. (4 Marks)

Q.5. Discuss the following in detail: (Marks are mention against each question)

a. What are the various measures that must be taken into consideration when buying online? (6 Marks)

b. Discuss Cache and why do you clear it? Also discuss how can it be cleared for various applications. (6 Marks)

c. Discuss various kinds of Passwords Managers, their importance and usage with examples. (7 Marks)

Section – B

(Short-answer-type questions)

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

[4 x 8 = 32]

Q.1. Discuss Hacking. How is it a menace to the society? Discuss SPAM. How is it used by various kinds of organizations?

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Q.2. How can a person safeguard the email account and other accounts online?

Q.3. Discuss Steganography with examples.

Q.4. Computer Forensics with methodology and examples.

Q.5. Discuss various counter cyber security initiatives in India.

Q.6. Firewall and its importance in any educational as well as corporate organization with example.

Q.7. Write short note on any two of the following:
    a. Malwares
    b. Adwares
    c. Software Piracy
    d. Spywares

Q.8. Write short note on any two of the following:
    a. DOS Attack
    b. Wi-Fi
    c. World Wide Web
    d. DNS

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