

P-851

Total Pages : 4

Roll No.

FCS/CEGCS-05

Introduction to Cyber Security

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2nd Semester Examination, 2023 (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. Candidates should limit their answer to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

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. Discuss the following in detail along with the examples of each :
 - (a) DNS.
 - (b) World Wide Web.
 - (c) Wi-Fi.
 - (d) DOS Attack.
 - (e) Web Jacking.

2. Discuss the following in detail:
 - (a) Steganography with examples.
 - (b) Computer Forensics with methodology and examples.
 - (c) Cyber Crime with examples.

3. Discuss the following in detail :
 - (a) Encryption and Decryption with methodology and examples of each.
 - (b) Digital Signatures with methodology and examples.
 - (c) Discuss Two Step verification system by Google, its usage, importance, working and impact on the society as a whole.

4. Discuss the following in detail :
 - (a) Firewall and its importance in any educational as well as corporate organization with example.

- (b) Purpose of Antivirus. Its usage methodologies.
5 examples of free antivirus.
 - (c) Safe Browsing with strategies and examples.
5. Discuss the following in detail :
- (a) Discuss Tips for Buying Online.
 - (b) Discuss Cache and why do you clear it? Also discuss how can it be cleared for various applications.
 - (c) Safe browsing guidelines for social networking sites.

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. Discuss email frauds and how to ensure email security.
2. Discuss smartphone security guidelines.
3. Discuss Malwares, Adwares and Spywares.
4. Differentiate between Virus, Worms and Trojan Horse.

5. Discuss various counter cyber security initiatives in India.
 6. Discuss the guideline for choosing a good password, changing it regularly and protecting the password with examples of good and bad passwords.
 7. Discuss with examples :
 - (a) Hacking.
 - (b) Spamming.
 - (c) Software Piracy.
 - (d) FOSS.
 8. Discuss with examples :
 - (a) Salami Attack.
 - (b) Data Diddling.
 - (c) Cyber Squatting.
 - (d) Logic Bombs.
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