

FCS

Fundamentals of Cyber Security

Foundation Course in Cyber Security

Examination - 2019

Time: 3 Hours

Max. Marks: 80

Note:- This paper is of **Eighty (80)** marks divided into **three (03)** section A, B and C. Attempt the question contained in these sections according to the detailed instructions given therein.

SECTION-A

(Long Answer Type Question)

Note:- Section 'A' contains four (04) long-answer-type questions of Nineteen (19) marks each. Learners are required to answer any two (02) questions only.

(2×19=38)

1. Explain the following:

- (a) Data Diddling (2)
- (b) Email Spoofing (2)
- (c) Salami Attach (2)
- (d) Web Jacking (2)
- (e) Cross Site Scripting (2)

- (f) Spamming (2)
 - (g) Phishing (2)
 - (h) Cyber Stalking (2)
 - (i) Software Piracy and Crime related to IPR (3)
2. Write a short notes on the following:
- (a) Digital Signature (5)
 - (b) Firewall and its types (5)
 - (c) Steps involved in computer forensic Investigation (5)
 - (d) Computer Emergency Response Team-India (CERT-In) (4)
3. Answer the following:
- (a) Explain the main techniques hackers can use to get hold of your password (10)
 - (b) How to access the internet securely from your Smartphone? (9)
4. Write a short notes on the following:
- (a) F-Driod (2)
 - (b) Red-Phone (5)
 - (c) OSTN (5)
 - (d) Android Privacy Guard (APG) (4)
 - (e) Data Security Council of India (3)

Section-B
(Short Answer Type Question)

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.

(4×8=32)

1. What is World Wide Web? Explain.
2. What is Encryption? Define.
3. What Steganography?
4. Define Computer Forensics. Explain initial management processes.
5. Write short note on National Critical Information Infrastructure Protection Centre (NCIPC) of India.
6. What is a password manager? How does it work? List some of the popular password managers.
7. What is Wireless LAN? How to secure wireless network infrastructure?
8. List some of the tips for email security.

Section-C
(Objective Type Questions)

Note:- Section 'C' contains **ten (10)** objective type questions of **one (01)** marks each. All the questions of this section are compulsory. **(10×1=10)**

1. _____ is a process of certifying the content of a document.
 - (a) Verification
 - (b) Validation
 - (c) Steganography
 - (d) Authentication

2. The decoding of the complex code to original text using key is known as _____
 - (a) Encryption
 - (b) Cypher text
 - (c) Steganography
 - (d) Decryption

3. It is a process of identifying an individual and ensuring that the individual is the same who he/she claims to be. _____
- (a) Verification
 - (b) Validation
 - (c) Steganography
 - (d) Authentication
4. NCCC stands for _____
- (a) National Cyber coordination Centre
 - (b) National Cyber Crime Coordination
 - (c) National Centre for Controlling Crime
 - (d) National Cyber controlling Centre
5. The process of overcoming the limits imposed by mobile carriers, or manufactures of operating systems on a smartphone is called _____.
- (a) Skimming
 - (b) Jail breaking
 - (c) Diddling
 - (d) Vhishing

6. To access content online anonymously, you can use an Android app called _____
- (a) Orbot
 - (b) ObscuraCam
 - (c) Keepass
 - (d) The Android Privacy Guard
7. Guardian Project has created a FOSS app called _____ to detect faces on photos and blur them.
- (a) Orbot
 - (b) ObscuraCam
 - (c) Keepass
 - (d) The Android Privacy Guard
8. IANA stands for _____
- (a) International Automatic Number Assigning
 - (b) Inter Asia Number Assigning
 - (c) Internet Assigned Numbers Authority
 - (d) Internet Automatic Number Assignment

9. France also developed a packet switching network, known as _____ in 1973.
- (a) CYCLADES
 - (b) MERIT
 - (c) ARPANET
 - (d) CSNET
10. _____ was an experimental network and was designed to keep the computers connected to this network to communicate with each other even if any of the node. Due to the bomb attach, fails to respond.
- (a) CYCLADES
 - (b) MERIT
 - (c) ARPANET
 - (d) CSNET
