

(4)

- (d) Write ten web threats in details.
- (e) Mention different reasons for commission of cyber crime.
- (f) Write a note on Child Pornography and Phishing.

Group—D

4. Answer any *two* questions each within 300 words : $15 \times 2 = 30$

- (a) What is cyber crime? Explain the insider and external attacks in cyber crime. $2+13$
- (b) Discuss Information Security Goals.
- (c) What is Hacking? Discuss different types of hacker.

Course Code CSP - 12 DCS - 03

Term End Examination - December, 2019

INFORMATION SECURITY

Diploma in Cyber Security (DCS)

Time : 3 hours

Full Marks : 100

The figures in the right-hand margin indicate marks

Answer **all** Groups as directed

Group—A

1. Answer *all* the questions, each within 1 word or 1 sentence: $1 \times 10 = 10$

- (a) Mechanism to make sure that nosy people cannot read or secretly modify or disclose the information is called _____.
- (b) According to both X.800 and RFC 4949, security attacks are classified as _____.
- (c) _____ prevents either sender or receiver from denying a transmitted message.

(2)

- (d) Use of public and private key is a concept of _____ encryption.
- (e) Name any two Asymmetric Encryption Algorithms.
- (f) The act of ensuring that data is not lost when critical issues arise is called _____.
- (g) Risk = _____ × _____.
- (h) Name any two mail transfer protocols.
- (i) _____ is the identification or verification of someone's identity on the basis of physiological or behavioral characteristics.
- (j) _____ hackers are usually security professionals with knowledge of hacking and the hacker toolset and who use this knowledge to locate weaknesses and implement countermeasures.

(3)

Group—B

2. Answer any *four* questions each within 100 words : 5×4=20
- (a) Write a note on Steganography.
- (b) Write the RSA encryption algorithm.
- (c) Write a note on Trojan Horse.
- (d) Write a note on Social Engineering Attack.
- (e) Discuss biometric identification.
- (f) What is logic bomb?

Group—C

3. Answer any *four* questions each within 200 words : 10×4=40
- (a) Discuss major security goals of Information Security.
- (b) Explain Caesar cipher encryption technique with a suitable example.
- (c) What is virus? Discuss different types of virus.