(4)

Group—D

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

(a) What is Cyber Crime? Explain the
insider and external attacks in
cyber crime.   2+13

(b) What is hash function? What are
the requirements of the hash
function?   2+13

(c) What is Computer Worm? Explain
the different types of computer
viruses.   2+13

★★★

Course Code
CSP – 12

Term End Examination – December, 2019

INFORMATION SECURITY

Master of Science (Cyber Security) (MSCS)
Post Graduate Diploma in Cyber Security
(PGDCS)
Advance Diploma in Cyber Security (ADCS)

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* questions, each in *1* word :
                              1×10=10

(a) Confidentiality, Integrity and ———
are the measure goals of
Information Security.

(b) ——— refers to obtaining some
other type of information by
monitoring.

(c) What does MD5 Stand for?

(d) ——— mechanism provides
protection against unauthorized
access to data.

(2)

(e) The transformed message in cryptography is called ———.

(f) Hackers may be classified into three types. What is that?

(g) ——— attacks cause our assets to become unusable or unavailable for our use, on a temporary or permanent basis.

(h) DDOS Attacks Stands for ———.

(i) "Infects the boot sector or the master boot record or displaces the active boot sector of a hard drive" is an example of ——— virus.

(j) Which malicious program cannot do anything until actions are taken to activate the file attached by the malware?

Group—B

2. Answer *any four* questions each within *100* words :   5×4=20

(a) Write a note on Data Confidentiality.

(b) Write a note on Data Encryption System (DES).

(3)

(c) How Interruption is different from Interception?

(d) Write a note on Spoofing and Sniffing.   2½+2½

(e) List the reasons for commission of cyber crimes.

(f) Write a note on Logic Bombs.

Group—C

3. Answer *any four* questions each within *200* words :   10×4=40

(a) Differentiate between Passive Attacks and Active Attacks.   10

(b) What is Play Fair Cipher? Explain with an example.   3+7

(c) Write ten web threats in details.   10

(d) What is Computer Virus? Explain how computer virus works.   2+8

(e) Write a note on Child Pornography and Phishing.   5+5

(f) What is hacking? Who is hacker? Explain different ways of hacking.   2+2+6