

Course Code CSP – 17

Term End Examination – December, 2019

SECURITY ANALYSIS AND REPORTING

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 within 1 or 2 sentences : 1×10=10
 - (a) What is ICMP?
 - (b) What stands for SNMP?
 - (c) What is GUI?
 - (d) What is UDP?
 - (e) What is Layer-3?
 - (f) What do you mean by eavesdropper?
 - (g) What is cipher?

(2)

- (h) What is the mathematical formula of Session_key?
- (i) What do you mean by kernel?
- (j) What is router?

Group—B

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

- (a) What is the need for cyber security?
- (b) Write something about cyber crime.
- (c) State and write something about Wireless Hacking Methodology.
- (d) What is Network-based Intrusion Prevention?
- (e) Write down the types of Wireless Security.
- (f) Discuss the limitations of Penetration Testing.

Group—C

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

- (a) How to protect your sensitive resources?

(3)

- (b) Write about importance of Network Monitoring and Analysis.
- (c) Write about Signature Based vs. Anomaly Based Detection.
- (d) Write steps for how to report an incident.
- (e) What is BinDiff?
- (f) When to Perform Penetration Testing?

Group—D

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

- (a) Write and discuss Social Engineering.
- (b) Discuss Coordination and Information Sharing systems.
- (c) Explain Intrusion Detection and Prevention System.
