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Course Code: CSP-14

Term End Examination - June, 2019

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

NETWORK CYBER SECURITY

Time - 3 Hours **Full Mark - 100**

*(Answer **all** questions from Group-A , any **four** questions from Group -'B', any **four** questions from Group -'C' and any **two** questions from Group -'D')*

Group 'A'

Q. No. 1 ***(Answer all the questions, each within one or two sentences)*** **Marks: 1 × 10= 10**

a) Define Network.
b) What is VLAN?
c) "Security threat involves three goals". What are they?
d) What is Email Spoofing?
e) SMIME Stands for _____?
f) URL Stands for _____?
g) Name any two types of E-Commerce Authentication.
h) FAST stands for _____?
i) Name any two Anti-virus Software.
j) What is Malware?

Group 'B'

Q. No. 2 ***(Answer any four questions each within 100 words)*** **Mark: 5×4= 20**

a) What do you mean by browser security?
b) Name different configurations of WLAN according to IEEE 802.11 standard?
c) What are the major issues in WLAN?
d) What is digital signature?
e) What is PGP? What is its use?
f) How to secure wireless client devices?

Group 'C'

Q. No. 3 ***(Answer any four questions each within 200 words)*** **Mark: 10×4= 40**

a) Differentiate between software based firewall and hardware based firewall.
b) Differentiate between the approaches of IDS and IPS.
c) What is PKI? What are the components of PKI environment?
d) What are the processes of securing wireless networks?
e) List the protocols involved in E-Mail and mention their uses in brief.
f) Name the risks involved with different features of web browsers.

Group 'D'

Q. No. 4 ***(Answer any two questions each within 300 words)*** **Mark: 15×2= 30**

a) What is a network security threat? Discuss different types of security threats.
b) What are firewalls? Discuss the applications of different types of firewalls.
c) Discuss the characteristics of IDS. Write about the roles of IDS in an organization.