

( 4 )

- (b) What are firewalls? Discuss the applications of different types of firewall.
- (c) Discuss the characteristics of IDS. Write about the roles of IDS in an organization.

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Total No. of Questions : 4]

[Total No. of Printed Pages : 4

Course Code <b>CSP – 14</b> <b>DCS – 05</b>
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**Term End Examination - December, 2019**

NETWORK CYBER 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: 1×10=10

(a) Define Network.

(b) What is VLAN?

(c) “Security threat involves three goals”. What are those?

(d) What is Email Spoofing?

(e) SMIME Stands for \_\_\_\_\_.

(f) URL Stands for \_\_\_\_\_.

( 2 )

(g) Name any two types of E-Commerce Authentication.

(h) FAST stands for \_\_\_\_\_.

(i) Name any two Antivirus Softwares.

(j) What is Malware?

Group—B

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

(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?

( 3 )

Group—C

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

(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

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

(a) What is a network security threat? Discuss the different types of security threat.