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VI Semester Diploma Examination, Oct./Nov.-2019

NETWORK SECURITY & MANAGEMENT

Time: 3 Hours]	Max. Marks: 100		
Instructions: (i) Answer any six questions from Part – A, each question (ii) Answer any seven questions from Part – B, 10 marks.			
PART – A			
 List the categories of active and passive attacks. 	3 + 2 = 5		
Discuss categories of security mechanisms. FOXY ORO	3 + 2 = 5		
3. Explain the Bio-metric hardware security identification methods	1 × 5 = 5		
4. Explain about user VPN.	2 + 3 = 5		
 List and explain the key features of Trusted OS. 	1 × 5 = 5		
 Explain the infrastructure of IDS with a neat diagram. 	3 + 2 = 5		
 Describe Host independent malicious software. 	1 + 4 = 5		
8. List the parameters of SSL session state.	1 × 5 = 5		
 Explain Consumer Protection Act, 1986. 	1 + 4 = 5		

1 of 2

PART - B

10. Explain with a neat diagram Feistel - Cipher structure and its design elements.

$$5+2+3=10$$

11. Explain with a neat diagram stream cipher structure & its design considerations.

$$5 + 3 + 2 = 10$$

12. Explain RSA public key encryption algorithm with example.

$$5 + 2 + 3 = 10$$

Describe the classifications of IDS.

$$5 + 5 = 10$$

14. Explain packet filtering firewall and its importance.

$$5 + 5 = 10$$

15. Explain WAP protocol architecture.

$$5 + 5 = 10$$

Explain various WLAN configurations.

$$2 \times 5 = 10$$

Describe web traffic security approaches.

Describe SSL record protocol with a diagram.

$$5 + 5 = 10$$

Explain how an email system works with a diagram.

$$5 + 5 = 10$$