Reg. No. | | | | | | | | | | | | |

Question Paper Code : 21138

B.E./B.Tech. DEGREE EXAMINATION, APRIL 2014.

Eighth Semester

Electronic Communication and Engineering

CS 1028 A — NETWORK SECURITY

(Regulation 2008)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define cryptography.

2. What is digital Signatures?

3. What is Hash function? Give its characteristics.

4. Differentiate publicly and privately.

5. Give advantages of DES.

6. What is the need for Antharication?

7. What is SHA?

8. What is ECC?

9. What are the password management Strategies?

10. What is Trusted system? Give its models.

PART B — (5 × 16 = 80 marks)

11. (a) Explain about Hill Cipher Algorithm in detail. (16)

Or

(b) Explain about Contemporary Symmetric Ciphers in detail. (16)

12. (a) Explain RSA Algorithm with an example. (16)

Or

(b) Explain about Message Authentication and Hash Function in detail. (16)

13. (a) Discuss about Kerberos X.509 Architecture and Authentication services in detail. (16)

Or

(b) (i) Describe IP Security Architecture in detail. (8)

(ii) Explain about E–Mail application and MIME. (8)

14. (a) What is Intrusion? And explain about Intrusion Detection techniques in detail. (16)

Or

(b) Explain about Firewall design principles in detail. (16)

15. (a) Explain about WLAN security standards in detail. (16)

Or

(b) Discuss about WLAN security issues in detail. (16)