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Question Paper Code: 49214

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2019

Elective

Computer Science and Engineering

14UCS914 – CYBER FORENSICS

(Regulation 2014)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. The Is a collection of protocols designed by Internet Engineering Task Force(IETF) to provide security for a packet at the Network level.:
(a) IPsec (b) Netsec
(c) Packetsec (d) Protocolsec
2. State the purpose of alert message:
(a) Identify input labels (b) Key generation
(c) Connection termination (d) Information exchange
3. PGP offers _____ block ciphers for message encryption.
(a) Triple-DES (b) CAST (c) IDEA (d) All of the mentioned
4. State which of the following is the attribute certificate with respect to PKIX:
(a) X.509 AC (b) X.502 AC (c) X.508 AC (d) X.507 AC
5. To be considered a computer crime, what needs to be involved in the crime?
(a) Technology (b) Computers
(c) Data (d) Networks
6. Identify the password recovery methods
(a) Rainbow Attack (b) Script kiddies
(c) Cyberpunks (d) Hackers

(b) Examine in detail the roles of the following in detail:-

(i) Forensics Technology. (8)

(ii) Forensics Systems. (8)

19. (a) Describe about the following mechanisms:

(i) Understanding File Systems. (6)

(ii) Whole Disk Encryption. (10)

Or

(b) Explain in detail about the following:-

(i) Computer Forensics Software Tools. (8)

(ii) Computer Forensics Hardware Tools. (8)

20. (a) Examine in detail the techniques used for Addressing Data Hiding. (16)

Or

(b) Give a brief description of the following data-hiding techniques: (16)

(i) Hiding Partitions

(ii) Bit-Shifting

