[6009]-425

T.E. (AI & DC) (Insem)
CYBER SECURITY
(2019 Pattern) (Semester - II) (317530)

Time : 1 Hour]   *[Max. Marks : 30*

Instructions to the candidates :

1) *Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6.*
2) *Neat diagrams must be drawn wherever necessary.*
3) *Figures to the right indicate full marks.*
4) *Assume suitable data if necessary.*

Q1) a) List and explain various elements of Information Security.   **[5]**

   b) Write difference between security and privacy.   **[5]**

OR

Q2) a) Enlist the security goals and mechanisms.   **[5]**

   b) Draw and explain operational security model for network security.   **[5]**

Q3) a) Define cyber security. Explain Active and passive attack.   **[5]**

   b) Explain Feistel cipher.   **[5]**

OR

Q4) a) Explain ceaser cipher with example.   **[5]**

   b) Explain DES Algorithm.   **[5]**

Q5) a) Explain Monoalphabetic cipher with example.   **[5]**

   b) Compaire symmetric key cryptography and Asymmetric key cryptography.
                                                                         [5]

OR

P.T.O.

Q6) a) Use the transposition cipher to encrypt the message "WE ARE THE BEST" use key "HEAVEN". **[5]**

   b) Explain the following terms. **[5]**

      i) Cryptography.

      ii) Crypt analysis.

      iii) Cryptology

      iv) Crypto system.

      v) Steganography.

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