

Total No. of Questions : 6]

PA-10121

SEAT No. :

[Total No. of Pages : 2

[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) Compare 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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