SEAT No. :

P-5142

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T.E. (Cyber Security) (Honors) (Insem.)
INFORMATION AND CYBER SECURITY
(2019 Pattern) (Semester-I) (310401)

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

Instructions to the candidates :
1) Answer Q.1 or Q.2 and Q.3 or Q.4.
2) Neat diagrams must be drawn wherever necessary.
3) Figures to the right side indicate full marks.
4) Assume Suitable data necessary.
5) Use of scientific Calculator is permitted.

Q1) a) Explain the basic components of Information Security. **[5]**

    b) Explain the security nomenclature. **[5]**

    c) Distinguish between policy and mechanism with respect to computer security. **[5]**

OR

Q2) a) Explain the Access Control Matrix. **[5]**

    b) What are the assumptions and trust of Information Security? **[5]**

    c) What are the operational issues of Information Security? **[5]**

Q3) a) What is Modular Arithmetic Notations? **[5]**

    b) Explain and distinguish Block and Chain ciphers. **[5]**

    c) Explain in detail Data Encryption Standard. **[5]**

OR

Q4) a) What is Modular Arithmetic Operations? **[5]**

    b) Explain in detail extended Euclid's algorithm. **[5]**

    c) Explain in detail Advanced Encryption Standard. **[5]**

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