[6187]-552
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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