PC-141

[6360]-150

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

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates :

1) *Answer Q1 or Q2, Q3 or Q4.*
2) *Neat Diagram must be drawn wherever necessary.*
3) *Figures to the right indicate full marks.*
4) *Use of Scientific Calculator is permitted.*
5) *Assume suitable data if necessary.*

Q1) a) What is the difference between Threat, Vulnerability and Risk. **[5]**

b) What is the purpose of Access Control Matrix. **[5]**

c) Describe the information security basic components. **[5]**

OR

Q2) a) Explain the Hybrid Policies for information security. **[5]**

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

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

Q3) a) What is Modular Arithmetic in Information Security? **[5]**

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

c) Explain in detail Classical Encryption Techniques. **[5]**

OR

Q4) a) Describe properties of Modular Arithmetic Operations. **[5]**

b) Explain in detail RC5. **[5]**

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

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