Oct-22/BE/Insem-43
B.E. (Computer Engineering)
BLOCKCHAIN TECHNOLOGY
(2019 Pattern) (Semester-VII) (410243)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:
1) *Answer Q1 or Q2, Q3 or Q4.*
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 advantages of ECC. **[5]**

   b) Differentiate asymmetric and symmetric key cryptography. **[5]**

   c) Discuss the properties of hash function. **[5]**

OR

Q2) a) List and discuss benefits of Merkel tree. **[5]**

   b) Explain DSA key generation and verification. **[5]**

   c) Discuss role of hashing in Blockchain. **[5]**

Q3) a) Explain consensus layer in Blockchain. **[5]**

   b) Discuss limitations of centralised systems. **[5]**

   c) Why Blockchain is important? **[5]**

OR

Q4) a) Explain propagation layer in blockchain. **[5]**

   b) Discuss evolution of Blockchain. **[5]**

   c) Differentiate centralised & decentralised systems. **[5]**

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