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SEAT No. :

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**P8467**

**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]

