

Total No. of Questions : 4]

SEAT No. :

P9030

Oct-22/TE/Insem-654

[Total No. of Pages : 1

T.E. (Electronics and Telecommunication) (Honors/Minors)

BLOCKCHAIN TECHNOLOGY

Introduction to Blockchain

(2019 Pattern) (Semester - I) (304181 HBCT)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Answer Q.1 or Q.2, 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 if necessary.

- Q1)** a) Explain Symmetric and Asymmetric Cryptography. [5]
b) What is private Blockchain? Give its advantage. [5]
c) What are the Hash functions in Blockchain? [5]

OR

- Q2)** a) List the key features in Blockchain? [5]
b) Explain Digital Signature used in public key cryptography. [5]
c) What type of records can be kept in the Blockchain? Is there any restriction on the same? [5]

- Q3)** a) What are the different types of networks associated with Blockchain? Explain. [5]
b) Explain, How Blockchain provides the data security? [5]
c) What is centralized Blockchain? Explain with the help of diagram. [5]

OR

- Q4)** a) Explain “Miners” and “Encryption” terminology associated with respect to Blockchain Technology. [5]
b) How the Smart Contracts are used to increase the trust in retailer - supplier relationships? [5]
c) Explain Distributed ledgers with respect to Blockchain Architecture? [5]

