

Total No. of Questions : 8]

PB2342

SEAT No. :

[Total No. of Pages : 2

[6263]-190

B.E. (Information Technology)
BLOCKCHAIN TECHNOLOGY

(2019 Pattern) (Semester - VIII) (414452D) (Elective - VI)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data, if necessary.

Q1) a) What is bytecode in Ethereum, give its importance. List the different languages supported by Ethereum. **[9]**

b) What is Ethereum? Compare ethereum with Bitcoin. **[9]**

OR

Q2) a) Describe the working of smart contracts. **[9]**

b) State and explain the various components of Ethereum. **[9]**

Q3) a) Explain comparison between hyperledger with Ethereum. **[9]**

b) Explain the features of hyperledger. **[8]**

OR

Q4) a) Explain Hyperledger fabric architecture with its components. **[9]**

b) State and explain the benefits of Hyperledger fabric. **[8]**

P.T.O.

- Q5) a)** Explain Consensus mechanism in detail. [9]
- b) Explain the role of blockchain in enterprise system. [9]

OR

- Q6) a)** What is the function of tokenization in detail. [9]
- b) Explain limitation of tokens with suitable example. [9]

- Q7) a)** Explain Security Risks of Blockchain in detail. [9]
- b) Explain role of blockchain in Health Insurance. [8]

OR

- Q8) a)** Explain role of blockchain in Supply Chain Financing. [9]
- b) Explain Legal Regulations for Blockchain. [8]

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