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SEAT No. :

PB-308

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[6270]-99

B.E. (Information Technology) (Insem)

BLOCKCHAIN TECHNOLOGY

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

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) What is Cryptography? Explain role of Cryptography in Blockchain. [5]
b) Differentiate between Centralised and Decentralized system. [5]
c) What are the limitations of blockchain technology. [5]

OR

- Q2)** a) Demonstrate symmetric key cryptography. What are pros and cons of it. [7]
b) Write short note on- [8]
i) Cryptocurrency
ii) Decentralized System

- Q3)** a) Define Blockchain. What are the important features of it? [5]
b) Give the pros and cons of cryptocurrency? Which are the different types of cryptocurrencies are available? [6]
c) Explain the emergence of Bitcoin. [4]

OR

- Q4)** a) List & Explain types of Blockchain? [5]
b) What is bitcoin mining? Explain the functionality of miners. [5]
c) Explain the evolution of blockchain with timeline [5]

