PA-10213

[6010]- 86

B.E. (Information Technology) (Insem)
BLOCKCHAIN TECHNOLOGY
(2019 Pattern) (Semester - VIII) (Elective - VI) (414452D)

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]**

<div align="center">OR</div>

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]**

<div align="center">OR</div>

Q4) a) List & Explain types of Blockchain? **[5]**

      b) What is bitcoin mining? Explain the functionality of minors. **[5]**

      c) Explain the evolution of blockchain with timeline. **[5]**

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