

Code No.: DS731PE

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CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
IV-B.TECH-I-Semester End Examinations (Supply) - April- 2024
BLOCK CHAIN TECHNOLOGY
(CSD)

[Time: 3 Hours]

[Max. Marks: 70]

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART-A

(20 Marks)

1. a) Define Blockchain technology. [2M]
- b) Name the layers in the technology stack of the Bitcoin in blockchain. [2M]
- c) Why is bitcoin neutrality required? [2M]
- d) How to capture data in personal thinking blockchains? [2M]
- e) List out the community supercomputing projects. [2M]
- f) Show the idea behind blockchain genomics. [2M]
- g) How does community coin work? [2M]
- h) Differentiate monetary and nonmonetary currencies. [2M]
- i) Describe the business model challenges. [2M]
- j) Summarize the technical challenges related to the blockchain. [2M]

PART-B

(50 Marks)

2. Demonstrate a helpful way to distinguish the different uses of bitcoin. [10M]
- OR**
3. Analyze the mechanism related to working of crypto currency. [10M]
4. Explain the blockchain-based digital identity services. [10M]
- OR**
5. Examine the attestation services brought by blockchain technology. [10M]
6. Infer the industrialized All-Human-Scale sequencing solution related to Blockchain Genomics 2.0. [10M]
- OR**
7. Describe the usage of Grid coin and Folding coin in blockchain. [10M]
8. Interpret the functionality associated with the Monetary and Nonmonetary currencies. [10M]
- OR**
9. Assess the usage of coin drops as a strategy for public adoption. [10M]
10. Elaborate the partial proposed solutions to the technical issues related to the blockchain. [10M]
- OR**
11. Inspect the scandals and public perception for bitcoin adoption. [10M]
