

Code No.: DS731PE

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H.T.No.

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CMR ENGINEERING COLLEGE: : HYDERABAD

UGC AUTONOMOUS

IV-B.TECH-I-Semester End Examinations (Regular) - November- 2023

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) What are the problems in cryptocurrency? [2M]
- b) How did the Blockchain technology developed over years? [2M]
- c) Identify the types of Blockchains. [2M]
- d) How does choosing blockchain add value to digital art? [2M]
- e) What are the benefits of Folding Coin? [2M]
- f) Explain Grid coin. [2M]
- g) How can you make use of currency multiplicity? [2M]
- h) What role do blockchain technologies play in the development and management of demurrage currency? [2M]
- i) How can proactive government regulations promote innovation while protecting consumers and public interests? [2M]
- j) In the context of business models, what does the term subscription economy refer to, and how is it changing traditional business models? [2M]

PART-B

(50 Marks)

2. What is Crowd funding? How Crowd funding Works. Explain with an example. [10M]
- OR**
3. Classify the types of Crypto Currencies. What is the procedure of Crypto currency network? Explain how crypto currency is programmable with an example? [10M]
 4. How will you take care of your digital identity verification and become a socially responsible Internet user? Justify Blockchain Solution to Digital Identity verification. [10M]
- OR**
5. Explain the importance of NFT. What is the need of Security and authenticity in Digital art? [10M]
 6. Identify the use of Blockchain Genomics. What are the industries are using the Blockchain-Genomics? [10M]
- OR**
7. Summarize the history of Bitcoins. Why to use Bitcoins? Explain the types of Bitcoin Wallets. [10M]
 8. Compare and contrast traditional fiat currencies with cryptocurrencies, highlighting their respective advantages and disadvantages in terms of security, decentralization, and global accessibility. [10M]
- OR**
9. Define the concept of tokenization and provide examples of assets that can be tokenized. Discuss the potential benefits and challenges associated with tokenizing assets. [10M]

10. Discuss the challenges faced by social media platforms regarding privacy, data security and content moderation. How those challenges have are shaped in public perception? [10M]

OR

11. How Government Regulations are work in blockchain? Also explain the Business Model Challenges. [10M]
