Code No.: CS851PE

| R20 | H.T.No. | | | 8 | R | | | | | |

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
IV–B.TECH–II–Semester End Examinations (Advanced Supply) – June- 2025
BLOCKCHAIN TECHNOLOGY
(CSE)

[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 is the difference between blockchain and crypto currency? [2M]
   b) Illustrate the role of a protocol in blockchain technology [2M]
   c) How does block chain support digital art ownership? [2M]
   d) Analyze the impact of block chain on personal data security. [2M]
   e) What is the function of Grid Coin? [2M]
   f) Explain the concept of Folding Coin in blockchain. [2M]
   g) What is tokenization in block chain? [2M]
   h) Explain the concept of currency multiplicity. [2M]
   i) What are some technical challenges in blockchain adoption? [2M]
   j) How do scandals affect public perception of block chain technology? [2M]

PART-B (50 Marks)

2. Classify how blockchain ensures security and transparency in financial transactions. [10M]

OR

3. Demonstrate how crypto currency transactions differ from traditional banking transactions. [10M]

4. Describe how digital identity verification works using block chain technology. [10M]

OR

5. Analyze the effects of blockchain neutrality on financial institutions. [10M]

6. Elaborate the concept of blockchain genomics and its applications. [10M]

OR

7. Analyze the role of block chain in decentralized scientific funding. [10M]

8. Describe the role of campus coins in university-based economies. [10M]

OR

9. Illustrate how tokenization is used in real estate transactions. [10M]

10. Explain the major technical and regulatory challenges in blockchain implementation. [10M]

OR

11. Demonstrate how government policies can influence block chain adoption. [10M]

****