Code No.: CY602PC | R20 | H.T.No. | | | 8 | R | | | | | |

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
III–B.TECH–II–Semester End Examinations (Supply) - June- 2025
BLOCK CHAIN TECHNOLOGY
(CSC)

[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 a Block chain?   [2M]
   b) What are crypto currencies?   [2M]
   c) Demonstrate the advantages and disadvantages of Block chain-based digital identity services?   [2M]
   d) Write on Digital Identity verification.   [2M]
   e) Distinguishes Grid coin from Bit coin?   [2M]
   f) How can individuals benefit from Bit coin MOOCs?   [2M]
   g) What do you mean by currency multiplicity?   [2M]
   h) Explain about Campus coin.   [2M]
   i) What are the privacy challenges for personal recodes in a decentralized system?   [2M]
   j) Write short notes on Government Regulations.   [2M]

PART-B   **(50 Marks)**

2. What is a Block in a Block chain, and how is it recognized?   [10M]
                                            OR
3. What are crypto currencies? How do they function with in a Block chain ecosystem? Explain.   [10M]

4. Discuss how digital art is used in Block chain industry.   [10M]
                                            OR
5. Explain the concept of Block chain neutrality.   [10M]

6. Discuss in detail about Grid coin project and its features.   [10M]
                                            OR
7. How can individuals benefit from enrolling in Bit coin MOOCs? Explain.   [10M]

8. Explain two examples of used of a Demurrage currency.   [10M]
                                            OR
9. List down the features of campus coin.   [10M]

10. Discuss the technical challenges of throughput, latency and security related to Block chain technologies.   [10M]
                                            OR
11. Write notes on Business model challenges.   [10M]

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