

Code No.: CY602PC

R20

H.T.No.

8

R

CMR ENGINEERING COLLEGE: : HYDERABAD  
UGC AUTONOMOUS

III-B.TECH-II-Semester End Examinations (Regular) - May- 2023  
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 Block chain technology? [2M]
- b) Explain the emergence of Bit coin. [2M]
- c) Define fundamental economic principle. [2M]
- d) Discuss the use of distributed censorship in decentralized network models. [2M]
- e) Block chain is not for every situation? Justify. [2M]
- f) Distinguish between Gridcoin and Foldingcoin. [2M]
- g) What do you understand by Demurrage currencies? [2M]
- h) Discuss about Hayeks private currencies? [2M]
- i) Explain about various Decentralized trends. [2M]
- j) Discuss the few challenges related to personal records. [2M]

**PART-B**

**(50 Marks)**

2. Discuss Byzantine general computing problems. [10M]
- OR**
3. Explain about few examples for Bitcoin prediction markets. [10M]
4. List out the Blockchain based digital identity services. [10M]
- OR**
5. Demonstrate few Blockchain attestation services. [10M]
6. Elaborate the concepts of Blockchain Genomics. [10M]
- OR**
7. Determine the importance of World Wide Bitcoin MOOCs (Massive Open Online Courses). [10M]
8. Discuss about Monetary and Non Monetary Currencies? [10M]
- OR**
9. Illustrate MIT Bitcoin project applications. [10M]
10. Explain about the various technical challenges related to Blockchain Technologies. [10M]
- OR**
11. Discuss the biggest barriers to Bitcoin adoption towards public perception. [10M]

\*\*\*\*\*