CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
IV–B.TECH–I–Semester End Examinations (Regular) - November- 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) Difference between centralized and Blockchain-based decentralized models? [2M]
   c) Provide examples of blockchain-based digital identity services. [2M]
   d) What does the term digital divide refer to? [2M]
   e) State the fundamental use of the Blockchain for science. [2M]
   f) Summarize the role of Blockchain in genomics. [2M]
   g) Label the idea behind demurrage currency. [2M]
   h) What is tokenization? [2M]
   i) List out the technical challenges related to Blockchain. [2M]
   j) Mention the biggest barriers for Bitcoin adoption. [2M]

PART-B　　　　　　　　　　　　　　　　　　(50 Marks)

2. Assess the role of three layers in the general structure of any modern cryptocurrency. [10M]

OR

3. Explain the different Wallet services for storing cryptocurrency. [10M]

4. What is Blockchain neutrality? Outline the importance of Blockchain neutrality. [10M]

OR

5. Inspect the functionality of different Blockchain attestation services. [10M]

6. Identify the use of Blockchain Gemomics. What are the industries are using Blockchain Gemomics. [10M]

OR

7. Outline the tasks of Bitcoin MOOCs and smart contractLiteracy for Blockchain learning. [10M]

8. Elucidate the approach of coin drops as a strategy for public adoption. [10M]

OR

9. Examine the implementation of the monetary and nonmonetary currencies. [10M]

10. Describe the partial proposed solutions to the technical issues related to the Blockchain. [10M]

OR

11. Infer the significant factors of government regulation on Blockchain industry. [10M]

****