

Code No: 156EP**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year II Semester Examinations, August/September - 2024****BLOCKCHAIN TECHNOLOGY****(Computer Science and Engineering – Cyber Security)****Time: 3 Hours****Max. Marks: 75**

- Note:** i) Question paper consists of Part A, Part B.
ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.
iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART – A**(25 Marks)**

- 1.a) Write a short note on Protocol in Blockchain. [2]
- b) Explain briefly role of Currency in Technology Stack. [3]
- c) Explain briefly about Extensibility of Blockchain Technology. [2]
- d) Write a brief note on Digital Art. [3]
- e) Write a short note on Blockchain Genomics. [2]
- f) Write a short note on Folding Coin. [3]
- g) Define campus coin. [2]
- h) Write a short note on Demurrage currency. [3]
- i) Explain briefly the Business Model Challenges. [2]
- j) Write a short note on Technical Challenges in Blockchain. [3]

PART – B**(50 Marks)**

2. What is Blockchain or Distributed Trust? Explain in detail about Cryptocurrency. [10]
OR
3. Write a detailed note on Crowdfunding. [10]
4. Explain in detail about Digital Identity Verification. [10]
OR
5. Write a detailed note on Blockchain Environment. [10]
6. Explain in detail about Bitcoin MOOCs. [10]
OR
7. Write a detailed note on Gridcoin. [10]
8. What is a Token? Explain in detail about Tokenizing. [10]
OR
- 9.a) Explain in detail about Campuscoin.
b) Write a brief note on Currency Multiplicity. [5+5]
10. Discuss in detail about Scandals and Public Perception of Blockchain. [10]
OR
11. Write a detailed note on Government Regulations on Blockchain. [10]