

Code No: 156EP

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year II Semester Examinations, July - 2023****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) How does crowdfunding work? [2]
- b) Compare the Block chain 1.0, 2.0, and 3.0. [3]
- c) What is digital art in Blockchain? [2]
- d) How Blockchain can reduce carbon emissions? [3]
- e) Difference between Blockchain and coin. [2]
- f) Give a note on folding coin. [3]
- g) What is Tokenizing? [2]
- h) Explain the Demurrage currency. [3]
- i) How does government regulate cryptocurrency? [2]
- j) What are the legal regulations for Blockchain? [3]

**PART – B****(50 Marks)**

- 2.a) List and explain the advantages of crowdfunding.
  - b) Discuss the eWallet Services and Personal Cryptosecurity. [5+5]
- OR**
- 3.a) Illustrate the Connected World and Block chain.
  - b) Explain about the Protocol. [5+5]
4. Explain the extensibility of Blockchain Technology Concepts. [10]
- OR**
- 5.a) Discuss Block chain Neutrality.
  - b) Explain the Blockchain Environment. [5+5]
6. Discuss the Blockchain Genomics. [10]
- OR**
7. Explain the Bitcoin MOOCs. [10]
8. Describe the Coindrop as a strategy for Public adoption. [10]
- OR**
9. Discuss the following:
    - a) Currency
    - b) Token. [5+5]

- 10.a) Can the government track Blockchain? Explain. [5+5]  
b) Explain the components of government regulations of block chain technology. [5+5]

**OR**

11. Explain the business model challenges in blockchain technology. [10]

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