

R18

Code No: 156EP

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, March - 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 the differences between distributed trust and Blockchain. [2]
- b) How does Cryptocurrency Work? [3]
- c) What is Blockchain neutrality? [2]
- d) What is the difference between hash and nonce? [3]
- e) How does Gridcoin work? [2]
- f) List the different types of genomics. [3]
- g) What currency is used in Blockchain? [2]
- h) Does each currency have its own Blockchain? Justify your answer. [3]
- i) List any two challenges of Blockchain. [2]
- j) What are blockchain disadvantages in business? [3]

PART - B**(50 Marks)**

- 2.a) Define Bitcoin. Explain the Block chain or distributed trust.
 - b) List and explain the types of cryptocurrency. [5+5]
- OR**
- 3.a) Give a note on Crowdfunding.
 - b) Discuss the M2M/IoT Bitcoin Payment Network to Enable the Machine Economy. [5+5]
4. Explain the Digital Identity Verification. [10]
- OR**
- 5.a) Describe the Distributed Censorship-Resistant Organizational Models.
 - b) The Blockchain Technology could be used in the Administration of All Quanta. Justify your answer. [5+5]
6. Explain Gridcoin role in Blockchain science projects. [10]
- OR**
- 7.a) How coins are created in Blockchain? Discuss.
 - b) Describe the Bitcoin MOOCs. [5+5]

8. Discuss the Coindrop as a strategy for Public adoption. [10]

OR

9. Elaborate on Currency Multiplicity. [10]

10.a) Explain the Technical challenges in Blockchain technology.

b) Illustrate the Scandals and Public perception. [5+5]

OR

11. Give a note on the Government Regulations in Blockchain technology. [10]

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Used paper March-2024