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Question Paper Code: 99425

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2022

Elective

Electronics and Communication Engineering

19UEC925- Blockchain

(Regulations 2019)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 5 = 25 Marks)

1. Describe in detail about the features provided by the blockchain technology. CO1- U
2. Describe what constitutes a blockchain network, including a main property of that network. CO4- App
3. Apply any three major characteristics of money that bitcoin possesses. CO3- App
4. Analyze the alternate blockchain (Ripple) with the traditional blockchain technology. CO5- Ana
5. Analyze the common uses for blockchain within financial services. CO6- Ana

PART – B (5 x 15= 75 Marks)

6. (a) What is blockchain and explain the working of blockchain technology? CO1- U (16)
Or
(b) Draw the structure of blocks involved in blockchain and explain all the components. CO1- U (16)
7. (a) Apply the concept of a block and its components and to develop the decentralized applications. CO4- App (16)
Or
(b) Identify two major properties of a blockchain network and how it will involved real time. CO4- App (16)

8. (a) Apply the concept of a block and its components and to develop the decentralized applications. CO4- App (16)
- Or
- (b) Identify two major properties of a blockchain network and how it will involve real time. CO4- App (16)
9. (a) Analyze and identify several benefits that might be derived when multiple companies in a line of business, like insurance or utilities, and its regulators share a block chain. CO5- Ana (16)
- Or
- (b) Analyze the major benefits of using blockchain in supply chain management with innovation model. CO5- Ana (16)
10. (a) Analyze the performance of “LOYYAL” business innovation model with block chain and smart contract technology. CO6- Ana (16)
- Or
- (b) Analyze the need for predefined mechanisms and rules to modify a transparency into the diamond market as well as on eliminating criminal activity. CO6- Ana (16)