

School of Finance and Commerce

Commerce
ETE - Jun 2023

Time : 3 Hours

Marks : 100

Sem IV - C2UB420T - Cryptocurrency

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

1. What do you understand by the mining pools? K2 CO1 (5)
2. What do you understand by the decentralized currency? K1 CO1 (5)
3. Explain the Bitcoin transaction. K1 CO1 (5)
4. Explain the online wallets and exchange in detail. K3 CO3 (10)
5. Elaborate on the energy consumption and ecology of Bitcoin mining. K3 CO2 (10)
- 6) Appraise the status of Bitcoin in US. K4 CO4 (10)

OR

- Explain the mimblewimble. How does it work? K4 CO4 (10)
7. Elaborate on the cryptographic hash function in detail. K2 CO1 (10)
 8. Explain the process of encryption with digital signature. K3 CO1 (15)
 9. Elaborate the different types of bitcoin mining. K4 CO2 (15)
 10. Explain the de-anonymize bitcoin in detail. K5 CO3 (15)

OR

- Explain the post-quantum cryptography in detail. K5 CO4 (15)