[6144]-307

S.Y.B.B.A. (C.A.)

CA - 305 : BLOCKCHAIN

(2019 Pattern) (Semester -III)

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to the candidates:

   1)   *All questions are compulsory.*

   2)   *Figures to the right indicates full marks.*

Q1) Attempt any EIGHT of the following (Out of TEN).   **[8×2=16]**

   a)   Define Block and Chain.

   b)   Define Database.

   c)   What is hyperledger?

   d)   What is chain code?

   e)   What is public key?

   f)   What is mining?

   g)   What is proof of Stake?

   h)   What happen when someone loses the private key of his wallet.

   i)   What is nonce?

   j)   What is Cryptography?

Q2) Attempt any FOUR of the following (Out of FIVE).   **[4×4=16]**

   a)   What are the uses of SHA algoritham?

   b)   Explain different layers of Blockchain.

   c)   What is Gas and Gas limit?

   d)   What is DAO? Explain in details.

   e)   Explain public and private blockchain.

Q3) Attempt any FOUR of the following (Out of FIVE). [4×4=16]

    a) What are the advantages of Hyperledger Fabric for blockchain networks.

    b) What are consensus algorithms in blockchain?

    c) What is Blockchain? What the Features Blockchain.

    d) What are the advantages of DApps?

    e) Which are the components of blockchain?

Q4) Attempt any FOUR of the following (Out of FIVE). [4×4=16]

    a) What are the Advantages of practical Byzantine Fault Tolerance (pBFT).

    b) Explain the layered architecture of blockchain.

    c) Write are the advantages of Hyperledger Fabric for blockchain networks.

    d) Explain the Types of Ethereum Clients.

    e) Define transaction and explain its structure.

Q5) Write a short note on any TWO of the following (Out of THREE). **[2×3=6]**

    a) Write a short note on Crypto wallet.

    b) Write a short note on Evolution of blockchain.

    c) Write a short note on actors of Blockchain.

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