[5954]-307

S.Y. B.B.A. (Computer Application)
CA-305 : BLOCK CHAIN
(2019 Pattern) (Semester-III)

Time : 2½ Hours]

[Max. Marks : 70

Instruction to the candidates:

1) *All questions are compulsory*
2) *Figures to right indicate full marks.*

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

   a) What is proof of Stake?

   b) Define hashing.

   c) What is truffle in Ethereum?

   d) Define Digital Signature.

   e) Define Cryptography.

   f) What is currency?

   g) What is cryptocurrency?

   h) What is smart contract?

   i) Define Database.

   j) What is fork?

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

   a) Explain Components of Blockchain.

   b) What is Ethereum network? Explain with diagram.

   c) What is DAO? Explain in detail.

   d) Explain life cycle of Blockchain.

   e) What is Hyperledger Fabric? Give Benefits of Hyperledger Fabric.

P.T.O.

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

    a)   What is blockchain? Explain its Importance?

    b)   What is block? Explain its structure diagrammatically.

    c)   Explain types of network.

    d)   Explain Actros of Blockchain

    e)   What is gas? Why it is important in Ethereum?

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

    a)   Describe DApps in details.

    b)   With the help of diagram describe EVM.

    c)   Explain Web3 in details.

    d)   What is an EVM in blockchain? Explain EVM with example.

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

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

    a)   Differentiate between private key and public key.

    b)   Explain working of smart contracts.

    c)   Give Limitations of Blockchain.

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