

Total No. of Questions : 5]

SEAT No. :

P2134

[Total No. of Pages : 2

[5803]-307

B.B.A. (CA)

CA-305 : BLOCK CHAIN

(2019 Pattern) (Semester - III)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

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

Q1) Attempt any EIGHT of the following (Out of TEN).

[8×2=16]

- a) Define hashing.
- b) Define Database.
- c) Define Cryptography.
- d) What is truffle in Ethereum?
- e) What is currency?
- f) Define Digital Signature.
- g) What is cryptocurrency?
- h) What is proof of Stake?
- i) What is fork?
- j) What is smart contract?

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) 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.

Q4) 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 Actors of Blockchain.
- e) What is gas? Why it is important in Ethereum?

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

- a) Give Limitations of Blockchain.
- b) Differentiate between private key and public key.
- c) Explain working of smart contracts.

