

Total No. of Questions : 5]

SEAT No. :

PD1441

[Total No. of Pages : 2

[6441]-507

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

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) What is Digital token?
- b) What is double spending?
- c) What is transaction fee?
- d) What is truffle used for blockchain?
- e) What is the use of Solidity in blockchain?
- f) Define Database.
- g) What is digital trust?
- h) What is proof of Stake?
- i) What is public key?
- j) What is chain code?

Q2) Attempt any four of the following (out of five) [4×4=16]

- a) Explain proof of Stake.
- b) What are the applications of Hyperledger fabrics?
- c) Explain the layered architecture of blockchain
- d) Explain benefits of smart contract.
- e) What are the uses of SHA algorithm?

Q3) Attempt any four of the following (out of five) [4×4=16]

- a) Explain different layers of Blockchain.
- b) Explain public and private blockchain.
- c) What are the Advantages of practical Byzantine Fault Tolerance (pBFT).
- d) Which are the components of blockchain?
- e) What is Blockchain? What the Features Blockchain.

P.T.O.

Q4) Attempt any four of the following (out of Five)

[4×4=16]

- a) What are consensus algorithms in blockchain?
- b) Explain the Types of Ethereum Clients.
- c) Define transaction and explain its structure.
- d) What is Gas and Gas limit?
- e) What is DAO? Explain in details.

Q5) Write a short note on Any two of the following (out of three)

[2×3=6]

- a) Write a short note on types of blockchain.
- b) Write a short note on p2p payment gateway.
- c) Write a short note on types of network.

