

Roll No.

Total No. of Pages : 02

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B.Tech. (CSE) (Sem.-7)
BLOCKCHAIN TECHNOLOGY

Subject Code : BTCS-712-18

M.Code : 90503

Date of Examination : 16-12-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1. Write briefly :

- a) Bitcoin?
- b) Hash pointer
- c) Block Mining
- d) Hashcash PoW
- e) Byzantine Fault tolerance
- f) Ethereum Network
- g) DAO
- h) Consensus
- i) Permissions
- j) Information frictions.

SECTION-B

2. Explain Tracing Blockchain's Origin.
3. What are Bitcoin P2P Networks.
4. What are difficulties in Mining Process.
5. Discuss RAFT consensus.
6. What is Hyperledger Fabric ? Discuss its Architecture.

SECTION-C

7. Write about IOT in relation to blockchaining technology.
8. Explain Lamport Shostak Pease BFT algorithm.
9. Discuss the shortcomings of current transaction systems.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.