

Total No. of Questions : 4]

SEAT No. :

P-5191

[Total No. of Pages : 1

[6188]-143

B.E. (Computer Engineering) (Insem)
BLOCK CHAIN TECHNOLOGY
(2019 Pattern) (Semester - VII) (410243)

Time : 1 Hour]

[Max. Marks : 30]

Instructions to the candidates:

- 1) Solve Q1 or Q2, Q3 or Q4.
- 2) Figures to the right indicate full marks.
- 3) Assume Suitable data, if necessary.
- 4) Neat diagrams must be drawn wherever necessary.

- Q1)** a) Illustrate Elliptic Curve Gyptography. [6]
b) Justify the importance of Hashing in Block Chain. [4]
c) What is Merkle tree? Explain the structure of merkle tree. [5]

OR

- Q2)** a) Explain working of SHA 256 Algorithm. [6]
b) Describe Digital Signature & Verification steps in Digital Signature Algorithm. [4]
c) Describe Symmetric Key Encryption with neat diagram. [5]

- Q3)** a) Discuss various limitations of centralized system with respect to Decentralized system. [6]
b) Write a note on Evolution of Block Chain. [4]
c) List and Explain algorithms of Consensus layer. [5]

OR

- Q4)** a) Write a note on : [6]
 i) Propogation layer
 ii) Application layer
b) List & Explain features of Block Chain. [4]
c) Comment on “Feasibility of an Online Voting System Implementation” using Block Chain Technology. [5]

