

SPPU-BE-COMP-CONTENT – KSKA Git

Total No. of Questions : 4]

SEAT No. :

P8467

[Total No. of Pages : 1

Oct-22/BE/Insem-43

B.E. (Computer Engineering)

BLOCKCHAIN TECHNOLOGY

(2019 Pattern) (Semester-VII) (410243)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

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

- Q1)** a) List and explain advantages of ECC. [5]
- b) Differentiate asymmetric and symmetric key cryptography. [5]
- c) Discuss the properties of hash function. [5]

OR

- Q2)** a) List and discuss benefits of Merkel tree. [5]
- b) Explain DSA key generation and verification. [5]
- c) Discuss role of hashing in Blockchain. [5]

- Q3)** a) Explain consensus layer in Blockchain. [5]
- b) Discuss limitations of centralised systems. [5]
- c) Why Blockchain is important? [5]

OR

- Q4)** a) Explain propagation layer in blockchain. [5]
- b) Discuss evolution of Blockchain. [5]
- c) Differentiate centralised & decentralised systems. [5]

