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PAPER CODE U321-232A(ESE)

MAY 2022 - ENDSEM EXAM
T.Y. B. TECH (COMPUTER ENGINEERING) (SEMESTER-II)
COURSE NAME: PROFESSIONAL ELECTIVE-III
[BLOCKCHAIN TECHNOLOGY]
COURSE CODE : CSUA32182A
(PATTERN 2018)

Time: [1 Hr]   Max. Marks: [30]

Instructions to candidates:
1) **Figures to the right indicate full marks.**
2) **Use of scientific calculator is allowed.**
3) **Use suitable data where ever required.**

Q.1   a) Defend the significance of mining the Ethereum   [4]

b) Discuss the various approaches of mining Ethereum.   [6]
OR
b) Describe Gas utilization in Ethereum transactions with example.   [6]

Q.2   a) Difference between Public Vs Private Blockchain networks   [4]

b) Explain Hyperledger Fabric Architecture   [6]
OR
b) Outline the design goals to choose the right Blockchain consensus   [6]
protocol.

Q.3   a) Use of IoT with Blockchain Technology is going to boom. Justify   [4]
your answer.

b) Justify, use of Blockchain Technology in Supply Chain   [6]
Applications.
OR
b) Discuss RIPPLE with its use case.   [6]