

Total No. of Questions: [03]

Total No. of Printed Pages: [01]

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

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 [FOUR points – 1 Mark each]	[4]
	b) Discuss the various approaches of mining Ethereum. [FOUR points – 1.5 Marks each]	[6]
	OR b) Describe Gas utilization in Ethereum transactions with example. [Description with example – 4 + 2 Marks]	[6]
Q.2	a) Difference between Public Vs Private Blockchain networks [FOUR points – 1 Mark each]	[4]
	b) Explain Hyperledger Fabric Architecture [Description with diagram – 4 + 2 Marks]	[6]
	OR b) Outline the design goals to choose the right Blockchain consensus protocol. [FOUR points – 1.5 Marks each]	[6]
Q.3	a) Use of IoT with Blockchain Technology is going to boom. Justify your answer. [FOUR points – 1 Mark each]	[4]

<p>b) Justify, use of Blockchain Technology in Supply Chain Applications. [Justification FOUR points – 1.5 Marks each]</p> <p style="text-align: center;">OR</p> <p>b) Discuss RIPPLE with its use case. [Discussion + TWO use cases – 4 + 2 Marks]</p>	<p>[6]</p> <p>[6]</p>
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