Seat No.:	Enrolment No.

## GUJARAT TECHNOLOGICAL UNIVERSITY

a		BE - SEMESTER-VII (NEW) EXAMINATION - WINTER 202	
•		Code:3171618 Date:07-0	)1-2023
•		Name:Blockchain	
Time:10:30 AM TO 01:00 PM Total Ma		arks:70	
Instru			
		Attempt all questions.	
		Make suitable assumptions wherever necessary.	
	<b>3.</b> 4.	Figures to the right indicate full marks. Simple and non-programmable scientific calculators are allowed.	
	т.	Simple and non-programmable scientific calculators are anowed.	MARKS
Λ1	(a)	Define What is Pleakshain? Why Pleakshain is important?	03
Q.1	(a)	•	03 04
	(b)	•	0 <del>4</del> 07
	(c)	Explain flow does blockchain works?	U7
Q.2	(a)	List the limitations of blockchain?	03
	<b>(b)</b>		04
	` ′	developing blockchain application.	
	<b>(c)</b>	Differentiate Proof-of-work v/s Proof-of-stake protocol.	07
		OR	
	(c)	Explain in detail types of cryptocurrency.	07
Q.3	(a)	Explain What is Metamask? How it is useful in Blockchain.	03
<b>V.</b> C	(b)	•	04
	(~)	Blockchain.	
	(c)		07
	( )	OR	
Q.3	(a)	Explain What is encryption? What is its role in Blockchain?	03
•	<b>(b)</b>		04
	(c)	Difference between Bit coin block chain and Ethereum Block chain?	07
0.4	(-)	Lightify Angreen to blook about distributed on Controlling 49	02
Q.4	(a)		03
	<b>(b)</b>		04
	(c)	Explain Digital Signature in blockchain.  OR	07
Q.4	(a)		03
	(b)		04
	(c)	Discuss in detail Smart Contract in Ethereum with Example.	07
	(-)		
Q.5	(a)	Write challenges of blockchain technology?	03
•	<b>(b)</b>	5	04
	` '	Blockchain.	
	(c)	Explain Different Algorithms of Permissioned Blockchain.	07
_		OR	
Q.5	(a)	· · · · · · · · · · · · · · · · · · ·	03
	<b>(b)</b>		04
	(c)	algorithms? Discuss Key characteristics of Consortium Blockchain in detail.	07
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