KADI SARVA VISHWAVIDHYALAYA B.E. Semester VII Examination – March – 2023 CT703D-N Blockchain Technology

DATE Instruc	: 28/03/2023 TIME: 10:00 a	nm to 1:00 pm	TOTAL MARKS: 70		
1 2 3 4 5	Answer each section in separate ans Use of scientific calculator is permit All questions are Compulsory . Indicate clearly , the options you att Use the last page of main supplement	tted. empt along with its respective	e question number.		
	SECTION - I				
Q-1 A	Explain the types of Blockchain.		5		
В	compare centralized, Decentralized	and Distributed systems.	5		
С	What are the characteristics of crypto	ographic hash function. OR	5		
С	Explain Merkle tree.		. 5		
Q-2 A	Write short note on digital signature.		5		
В	Explain double spending with an exam		5		
		OR			
A	write short note on bitcom.		5		
В	What are the features of Bitcoin scrip	t.	5		
Q-3 A	Explain Genesis block and list the varie	ous components of a Block in a	Blockchain. 5		
В	Explain Avalanche effect.		5		
A	T	OR			
A B	Explain distributed ledger in brief.		5		
D	Explain Block propagation.		5		
SECTION - II					
Q-4 A	Explain the term consensus in blockch	ain.	.5		
В	Write short note on mining.		5		
C	Explain the term orphan block.		5		
		OR			
C	Explain the concept of mining pool.		5		

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Q-5 A	Write short note on proof of work mechanism.	5
В	Explain sybil and DDOS attack.	
	OR	.5
A	Write short note on proof of stake mechanism.	
	Explain the benefits and challenges of a miner.	5
В	Explain the benefits and chancinges of a mineral	
		5
Q-6A	Write short note on PAXOS algorithm.	5
В	Write short note on smart contract.	
	OR	5
٨	Explain proof of burn mechanism.	
A	Explain Byzantine General problem.	5
K	Evoluin Ryzantine General Diobietti.	