Total No. of	[Questions: 8]	SEAT No. :			
PA-914		L [ <b>Total</b> ]	No. of Pages : 2		
	[5927]-344				
	B.E. (Computer Eng	ineering)			
BLOCKCHAIN TECHNOLOGY					
(2019 Pattern) (Semester - VII) (410243)					
		, ( ,			
Time: 2½ H	Jours J	[M	lax. Marks: 70		
	s to the candidates: V				
	nswer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6,				
	eat diograms must be drawn wherever nec	essary.			
	igures to the right indicate full marks. ssume suitable data, if necessary.				
4) AS	ssume surgote data, if necessary.		•		
<b>Q1)</b> a)	Explain in detail following blockchain	platforms	[8]		
<b>2</b> -) • )	Public	Pillioni	[6]		
	ii) Private	(i)			
×		(387)			
	iii) Consortium				
1	iv) IoTA				
b) ]	Discuss following consensus algorithm	ns used in blockchar	in technology.		
			[6]		
	i) Proof of work				
	ii) Proof of activity		.0		
c) ]	Explain proof of stake (POS)?		2014]		
	A Sp.				
	OR		86.		
			9.		
	Explain consensus in blockchain in de	etails.	[8]		
b) ]	Explain in detail	9.0	[6]		
(1) i	i) Bitcoin				
i	ii) Ethereum	(C), VO,			
i	iii) Hyperledger	(A) (O)			
c) ]	Discuss Byzantine General problem.	etails.	[4]		
	<del>-</del>	6.			

*P.T.O.* 

Q3)	a)	List & explain types of crypto currency.	
	b)	What is Metamask? Illustrate in detail.	[6]
	c)	Differentiate between coinbase & Binance.	[5]
		OR	
<b>Q</b> 4)	a)	What is cryptocurrency? Explain in detail.	[6]
	b)	Explain in detail crypto wallets.	[6]
	c)	Explain in detail Bitcoin.	[5]
<b>Q</b> 5)	a)	What is Ethereum? Explain.	[8]
	b)	Explain solidity in detail.	[6]
	c)	Discuss swarm Decentralized storage platform.	[4]
	١	OR	
<b>Q6</b> )	a)	What is smart contract? Explain types of smart contracts.	[8]
	b)	Discuss whisper Decentralized Messaging platform.	[6]
	c)	Explain Ethereum Virtual Machine in detail.	[4]
			O
<b>Q7</b> )	a)	Explain Block chain applications in retail & banking services.	[6]
	b)	Explain role of blockchain in IoT.	[6]
	c)	Explain role of blockchain in Healthcare.	§ [5]
		Explain role of block chain in Healthcare.  OR	) "
Q8)	a)	Discuss integration of blockchain with other domains	[6]
	b)	Explain blockchain applications in financial services.	[6]
	c)	Explain application of blockchain government sector.	[5]

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