Total No	o. of Qu	estions: 8]		290	SEAT No. :			
PB2245			0	<i>y</i>	[Total	No. of Pages : 2		
			[6263]-8	33				
		B.E. (0	Computer E	ngineerin	ng)			
BLOCKCHAIN TECHNOLOGY								
		(2019 Patter	n) (Semeste	er - VII) ((410243)	7		
Time: 2	½ Hour			,		Max. Marks : 70		
Instruct		the candidates:			13			
1)		questions Q.1 or Q			2.7 or Q.8.			
2)	(liagrams must be di			330			
3) 4)		es to the right indic ne suitable data if n						
•/	11550011		ecossury.	~~				
Q1) a)	Disc	cuss following cor	nsensus algorit	thms used in	blockchain	technology.[8]		
~ , ,	(i)	Proof of work		3 1/6)°	<i>5,</i> 1 1		
	ii)	Proof of activity						
	iii)	Proof of Burn		20,				
	iv)	Proof of Stake	C O					
b)	Expl	lain in detail	90			[6]		
	i)	Bitcoin						
	ii)	Ethereum						
	iii)	Hyperledger	Po.'		A	[4]		
c)	Exp	lain the concept o	f Bitcoin in B	lockchain T	echnology.	[4]		
	_ <)	OR		3			
Q2) a)	Disc	cuss the difference	e between Bit	coin and E	thereum.	[4]		
b)	Exp	lain the differen	nce between	a permissi	oned and p	ermissionless		
10	cons	sensus approach			10,	[4]		
c)	Exp	lain the Byzanti	ne General P	roblem in	the context	of blockchain		
	cons	sensus.		6.	y	[4]		
d)	Exp	lain the role of IC	OTA in the con	text of the l	Internet of Th	nings (loT).[6]		
				9.				
			`	> '		<i>P.T.O.</i>		

Q3) a)	What is Metamask, Illustrate in details	[9]			
b)	List and explain types of cryptocurrencies.				
	OR				
Q4) a)	Compare and Contrast Coinbase and Binance.	[8]			
b)	Differentiate between metmask and coinbase wallet.	[9]			
Q5) a)	What is Ethereum? Explain in detail it differs from tradit cryptocurrencies.	[8]			
b)					
	of each.	[9]			
06) a)	90.	101			
Q6) a)	Explain the concept of a smart contract with an example.	[8]			
b) \	How does Swarm contribute to decentralized storage in the Etherecosystem?	ereum [9]			
	ceosystem:	[7]			
Q7) a)	Describe the role of blockchain in financial sector.	[9]			
b)	Describe the role of blockchain in Government. sector.	[9]			
	OR				
Q 8) a)	Explain role of blockchain in healthcare.	[9]			
b)	Discuss potential challenges and benefits of implementing blockch	nain in			
	Voting system.	[9]			
1					
	Discuss potential challenges and benefits of implementing blocker Voting system.				
[6263]-83	2				