

Vivekanand Education Society's Institute of Technology, Chembur, Mumbai,
Department Of Artificial Intelligence and Data Science
Year:2023-24 (Even Sem)
MID TERM TEST

Class : Third Year / Honor-Minor Degree	Division: All Branches
Semester: VI	Subject: Blockchain Platforms
Date: 1st March 2024	Time: 12:30 to 1:30pm

CO	CO1	CO2	CO3	CO4
%	5%	50%	30%	15%

Q.1)		(Attempt any five of the following)	Marks (20)	CO's Mapped
	a)	Enlist the characteristics of Blockchain	2M	LO1
	b)	Enlist the components of Ethereum Platform	2M	LO2
	c)	What is the role of a testnet in the deployment of an Public Blockchain.	2M	LO2
	d)	what are the features of Bitcoin Platform	2M	LO2
	e)	Write down the steps involved in transferring Ethers from Metamask	2M	LO3
	f)	Enlist the phases involved in the life cycle of a Smart Contract	2M	LO3
Q.2)	a)	Differentiate between Proof of Stake and Proof of Work based on parameters	5M	LO2
		OR		
	b)	Differentiate between Public, Private, Hybrid, and Consortium Blockchain Platforms	5M	LO4
Q.3)	a)	With the help of a neat diagram, explain the workings of a Smart Contract.	5M	LO3
		OR		
	b)	With the help of a neat diagram explain DApp Architecture.	5M	LO2

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Q.1)		(Attempt any five of the following)	Marks (20)	CO's Mapped	BL
	a)	Enlist the characteristics of Blockchain	2M	LO1	L1
	b)	Enlist the components of Ethereum Platform	2M	LO2	L1
	c)	What is the role of a testnet in the deployment of an Public Blockchain.	2M	LO2	L2
	d)	What are the features of Bitcoin Platform	2M	LO2	L1
	e)	Write down the steps involved in transferring Ethers from Metamask	2M	LO3	L2
	f)	Enlist the phases involved in the life cycle of a Smart Contract	2M	LO3	L1
Q.2)	a)	Differentiate between Proof of Stake and Proof of Work based on parameters	5M	LO2	L4
		OR			
	b)	Differentiate between Public, Private, Hybrid, and Consortium Blockchain Platforms	5M	LO4	L4
Q.3)	a)	With the help of a neat diagram, explain the workings of a Smart Contract.	5M	LO3	L2
		OR			
	b)	With the help of a neat diagram explain DApp Architecture.	5M	LO2	L2