Vivekanand Education Society's Institute of Technology, Chembur, Mumbai,
Department of Computer Engineering
Year : 2024-25 (ODD Sem)
MID TERM TEST

Class : BE	**Division: All Branches (Honor/ Minor Degree)**
Semester: VII	**Subject: Blockchain Development**
Date: 6th Sept 2024	**Time: 1pm to 2pm**

CO	CO1	CO2	CO3
%	30%	15%	55%

Q.1		(Attempt any five of the following)	Marks (20)	BL's	CO's Mapped
	a	With an example explain function modifiers in Solidity.	2M	BL2	CO3
	b	Explain the role of IPFS in the Blockchain Environment	2M	BL2	CO2
	c	Compare Blockchain programming languages - Solidity and Go	2M	BL4	CO2
	d	With neat diagram explain whisper and swarm	2M	BL2	CO1
	e	Explain the different types of Ethereum Clients	2M	BL2	CO1
	f	Enlist five opportunities and challenges associated with Smart Contracts	2M	BL1	CO3
Q.2	a	Explain the ERC20 Token Functions	5M	BL2	CO3
		OR			
	b	Using a neat diagram explain the lifecycle of a Smart Contract	5M	BL2	CO3
Q.3	a	Write a smart contract to demonstrate address data type in Solidity	5M	BL3	CO3
		OR			
	b	With the help of a neat diagram explain the role of smart contracts in Supply chain Management systems.	5M	BL4	CO1

All the Best !!!

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All the Best !!!