K. J. Somaiya Institute of Technology, Sion, Mumbai-22 (Autonomous College Affiliated to University of Mumbai)

July / Aug May June 2024

Honour Program: Block chain Scheme I

Septementary Regular Examination: LY Semester: VIII
Course Code: HBCC801 and Course Name: DeFi (Decentralized Finance)

Date of Exam: 63/08/2024 Duration: 02.5 Hours

Max. Marks: 60

Instructions:

(1)All questions are compulsory.

(2)Draw neat diagrams wherever applicable.

(3) Assume suitable data, if necessary.

		Max. Marks	СО	BT level
Q1	Solve any six questions out of eight:	12		
i)	Why decentralized finance is better?	2	CO1	U
ii)	What are DeFi segments?	2	CO2	U
iii)	What is Fungible Token in Defi? Give example.	2	CO3	U
iv)	Explain Slashing.	2	CO3	U
v)	What is the aggregation layer of DeFi?	2	CO4	U
vi)	What is Maker DeFi?	2	CO5	U
vii)	Is Uniswap safe?	2	CO5	U
viii)	Is wBTC better than BTC?	2	CO6	U
Q.2	Solve any four questions out of six.	16		
i)	What Is Traditional Finance (TradFi) and How Does It Work?	4	CO1	U
ii)	Explain Impact of Decentralized Finance on the Financial Industry.	4	CO2	U
iii)	Explain real time practical examples of Defi.	4	CO3	U
iv)	Explain role and functions of Digital Asset Layer in Defi.	4	CO4	U
v)	Draw and explain DeFi stack. Define Minting and Burning.	4	ÇO5	A
/i)	Explain Decentralized Stablecoins with real time examples.	4	CO6	U

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Tuly Aug May-June 2024 Honour Program: Blockchain Scheme I

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Modern House Indicate Indicat Max. Marks: 60

Q.3	Solve any two questions out of three.	16		
i)	Difference between Centralized and Decentralized Finance. Give any two examples.	8	CO1	An
ii)	Explain Transaction mechanics in DeFi.	8	CO3	U
iii)	Explain Defi Compound Implementation and Architecture.	8	CO5	U
Q.4	Solve any two questions out of three.	16		
i)	Explain Different Types of Decentralized Finance Platforms. Explain problem with Defi.	8	CO2	U
ii)	Draw and explain architecture of Defi Layered structure.	8	CO4	A
iii)	Explain Decentralized Insurance with real time examples. Explain UniSwap Core Concepts.	8	CO6	U