Honour

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

May-June 2024
Honour Program: Block chain Scheme I
Regular Examination: LY Semester: VIII
Course Code: HBCC801 and Course Name: DeFi (Decentralized Finance)
Date of Exam: 24/05/2024   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	CO	BT level
Q 1	Solve any six questions out of eight:	12		
i)	Why is DeFi better than traditional finance?	2	CO1	U
ii)	What are the key components of DeFi?	2	CO2	U
iii)	What are the functions and DeFi?	2	CO3	U
iv)	Explain Staking Rewards.	2	CO3	U
v)	What are the layers of DeFi?	2	CO4	U
vi)	What is MakerDAO used for?	2	CO5	U
vii)	Is Uniswap free to use?	2	CO5	U
viii)	What is the difference between atomic swaps and bridges?	2	CO6	U
Q.2	Solve any four questions out of six.			
i)	How Can You Use Decentralized Finance? Give Future of DeFi.	4	CO1	U
ii)	Explain Benefits of Decentralized Finance.	4	CO2	U
iii)	Explain characteristics of DeFi applications.	4	CO3	U
iv)	Explain Wallets and Asset Management in Defi?	4	CO4	U
v)	What Is Compound protocol. How Does Compound protocol Work?	4	CO5	U
vi)	Explain Decentralized Exchanges with real time examples.	4	CO6	U

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Q.3	Solve any two questions out of three.	16		
i)	Explain with Architecture of Defi Vs Traditional Finance. Give any two examples.	8	CO1	U
ii)	Explain Components of DeFi. Explain StableSwap?	8	CO3	U
iii)	Explain wBTC need, Tokenization, Common issues, Implementation and structure.	8	CO5	U
Q.4	Solve any two questions out of three.	16		
i)	Explain Role of Blockchain Technology in Decentralized Finance. Explain Defi key Categories.	8	CO2	U
ii)	Explain DeFi Protocols and their Importance.	8	CO4	U
iii)	Explain Decentralized Autonomous Organization with real time examples. Explain cToken Contracts in Compound.	8	CO6	U

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