## Paper / Subject Code: 70723 / Elective III : Blockchain

11/12/2024 MCA SEM-III CHOICE BASED (TWO YEAR COURSE) BLOCKCHAIN QP CODE: 10068228

Time:	3 Hours	Max. Marks: 80
Note:	(1) Question No. 1 is compulsory (2) Attempt any three from remaining five questions	\$5 A.
Q.1 A	A Differentiate Centralized and Decentralized Systems	05
F	Explain the term Consensus with example.	05
(	Explain Digital Signature in detail.	05
Ι	Write a brief note on Blockchain and its types.	05
Q.2 A	Explain the features of Public Key Cryptography in detail.	3 10
F	B Describe Proof of Stake and Proof of Burn in detail.	10 جي آن
Q.3 A	Explain the Smart Contracts with suitable example.	10
J.	B Describe RAFT algorithm in detail.	10
Q.4 A	A Explain Practical BFT in brief.	10
Ę	B Explain Ethereum mining Process in detail.	10
Q.5 A	What do you understand by 51% attack how to prevent it.?	10
F	Explain role of Blockchain in Supply Chain Management in br	rief. 10
Q.6 A	Explain Solidity Programming with Suitable example.	10
) F	Write a brief note on Sybil attack.	10