Roll No: | | | | | | | | | | | |

GAIN MORE KNOWLEDGE
REACH GREATER HEIGHTS

PRESIDENCY UNIVERSITY

Presidency University Act, 2013 of the Karnataka Act No. 41 of 2013 | Established under Section 2(f) of UGC Act, 1956
Approved by AICTE, New Delhi | Approved By BCI
Bengaluru

Mid Term Examinations - October 2026

Date: 05/10/2026 **Time:** 11:45 AM - 01:15 PM

Course Code: CBC3413 **Course Name:** Blockchain in Financial Services

Semester: Seventh Semester **Max. Marks:** 50 **Weightage:** 50%

CO - Levels	CO1	CO2
Marks	26	64

PART A: Answer Following Questions. 10 M

Q.N.	Questions	M	CO	BT
1	What is a consensus mechanism? Why is it required in a blockchain network?	2	CO1	BT2
2	What is a digital signature? State any two purposes of digital signatures.	2	CO1	BT1
3	Differentiate between Corda and Quorum in one or two points.	2	CO1	BT2
4	What is a Letter of Credit (LC)? How can blockchain help in LC digitization?	2	CO2	BT2
5	What is AML? How does digital identity support KYC/AML processes?	2	CO2	BT2

PART B : Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
6	Explain the architecture of Quorum/GoQuorum and discuss its important features for enterprise financial applications.	10	CO1	BT2
7	Compare Corda and Quorum for a financial institution. Discuss the factors that should be considered when selecting an architecture. Module: 1	10	CO1	BT5

PART C: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
8	Explain how blockchain can be applied to trade finance through Letter of Credit digitization. Discuss the process, benefits and challenges.	10	CO2	BT3
9	Explain digital identity, KYC and AML in blockchain-based financial systems. Discuss the role of decentralized identity and verifiable credentials.	10	CO2	BT4

PART D: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT
10	Explain how Stellar can support financial services and digital asset transfers. Discuss its architecture, XLM and potential use cases.	10	CO2	BT2
11	Explain the role of blockchain in lending and credit scoring. Discuss DeFi lending and tokenized loans with suitable examples.	10	CO2	BT3

PART E: Answer Any 1 Following Questions. 10 M

Q.N.	Questions	M	CO	BT

12	Explain the role of blockchain in clearing and settlement. Discuss T+0 settlement and DvP with a suitable example.	10	CO2	BT4
13	Discuss the major challenges and considerations in implementing blockchain solutions in financial services.	10	CO2	BT5