

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)

Chromepet, Chennai - 600 044.

B.Sc.CSc.(AI) - END SEMESTER EXAMINATIONS - APRIL 2025

SEMESTER - VI

24UAIET6A02 - Block chain Technology

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

Answer any **SIX** questions ($6 \times 5 = 30$ Marks)

1. Identify the need of protocols and security.
2. Sketch the process behind 'Hash chain to Block chain'.
3. Predict the requirements for the consensus protocols.
4. Illustrate the design goals of block chain consensus protocols.
5. Apply the concept of Hyper ledger Fabric II by decomposing the consensus process.
6. Classify the usage of 'Block chain in Financial software and systems'.
7. Describe the utilization of Block chain in public distribution and social welfare systems.
8. Examine the concept of 'Privacy and Security on Block chain'.

Section C

Answer any **THREE** questions ($3 \times 10 = 30$ Marks)

9. Explain the 'Block chain architecture and design' with suitable diagrams.
10. Prepare a report about the need of 'Consensus protocols for permissioned Block chains'.
11. Determine the concept behind 'Chain code design and implementation'.
12. Classify the usage of 'Block chain in trade/supply chain'.
13. Assess the usage of 'Block chain for Government'.
