

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.(DS) - END SEMESTER EXAMINATIONS - APRIL 2025

SEMESTER - VI

24UDSET6A02 - Block chain Technology

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

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

1. Illustrate the procedure of digital money to distributed ledgers.
2. Summarize the process of Hash chain to Block chain.
3. Briefly explain the importance of Proof of Work.
4. Elucidate the design goals of permissioned Block chains.
5. Describe the components of Hyper ledger fabric.
6. Predict the salient features of Hyper ledger composer tool.
7. Relate the procedure for capital markets in Block chain.
8. Determine the privacy and security on Block chain.

Section C

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

9. Draw and explain the design and general architecture of Block chain technology.
10. Compute the consensus protocols for permissioned block chain.
11. Examine the implementation of Hyper ledger Fabric II.
12. Prepare the invoice management and discounting in Block chain.
13. Conclude the land records and other kinds of record keeping between government entities.
