

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.

M.Sc. Comp. Sci END SEMESTER EXAMINATIONS APRIL - 2024

SEMESTER - II

20PCSET2SA2 - Social Network Analysis

Total Duration : 2 Hrs. 30 Mins.

Total Marks : 60

Section B

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

1. Describe various types of relationships to people and groups.
2. Explain information diffusion in detail.
3. Explain working with 2-mode data.
4. Show social graph API for facebook.
5. Describe centrality in detail.
6. Discuss simple dynamic model in python.
7. Describe medium and big data with graph.
8. Discuss server logs in detail.

Section C

I - Answer any **TWO** questions ($2 \times 10 = 20$ Marks)

9. Explain graph traversal in detail.
10. Prepare Hierarchical clustering with algorithmic analysis.
11. Examine 2-mode networks with examples.
12. Examine social network and big data in detail.

II - Compulsory question ($1 \times 10 = 10$ Marks)

13. Dissect social media data collection and analyze the same.
