

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. Computer Science- END SEMESTER EXAMINATIONS - APRIL 2025

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. Explain the Symmetric and Asymmetric Relationship.
2. Describe the theory of 2-mode networks.
3. Prepare a graph in the real world.
4. Explain the Social Media sites.
5. Illustrate the components and subgraphs.
6. Write a brief account on Critical Mass.
7. Show and explain the Medium of data.
8. Determine the Twitter data collection.

Section C

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

9. Describe the Graph traversals and distances.
10. Apply the Hierarchical clustering.
11. Examine the Simple Dynamic model in Python.
12. Deduce the concept of Social networks and Big data.

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

13. Elaborate on Facebook social graph API.
