

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.(Chemistry) END SEMESTER EXAMINATIONS APRIL-2023

SEMESTER - VI

20UCHET6002 - Industrial Chemistry

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section B

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

1. Define Auxochrome and Chromophor with an example.
2. What is the composition of sewage water and briefly explain any one method of treatment?
3. What are soaps and detergents? Compare them based on their cleansing action.
4. Explain the preparation of $MgCl_2$ from Carnallite?
5. Explain about the analysis and carbonisation of coal.
6. How do you predict the biodegradability of an industrial wastewater?
7. List the sources and composition of oils and fats. How are they refined?
8. Explain the process of manufacture of Aluminium.

Section C

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

9. Classify Dyes according to structure and method of application giving example for each.
10. a. Write a short note on producer gas.
b. What are secondary cells? Explain with an example.
11. a. Distinguish Sterilisation and disinfection.
b. Write any two methods of Sterilisation of water.
12. a. Distinguish between non-drying, semi drying and drying oils with illustrations.
b. Define Iodine value. How is it determined?
13. How are the following produced on large scale by the application of electricity? Give their uses a. Potassium permanganate b. Hydroxylamine.
