

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 NOVEMBER -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. Explain the preparation and uses of methyl orange and Indigo.
2. Discuss the types of fuel cells.
3. Write noteS on water gas and producer gas.
4. Describe the purification of water for domestic use.
5. Discuss the chemical oxygen demand.
6. Describe the structure and composition of fats.
7. Explain the mechanism of cleaning action of soap.
8. Discuss the preparation of MgO from dolomite.

### Section C

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

9. Explain the classification of dyes based on structure and applications with example.
10. Describe the distillation of crude petroleum.
11. Write an essay on the methods of sewage treatment process.
12. Explain the determination of iodine value.
13. Discuss the manufacture of aluminium.

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