

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. END SEMESTER EXAMINATIONS APRIL-2022

SEMESTER - VI

17UCHCE6002 - INDUSTRIAL CHEMISTRY

Total Duration : 3 Hrs.

Total Marks : 60

**Section A**

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

1. Draw the structure of methyl orange.
2. What is auxochrome?
3. Define octane number.
4. Mention any two advantages of gaseous fuels.
5. Define BOD.
6. Distinguish between soaps and detergents.
7. What is the importance of iodine value of oil?
8. Mention any two uses of potassium permanganate.

**Section B**

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

9. Discuss about the classification of dyes according to its method of application.
10. Explain solid oxide fuel cell with suitable example.
11. Describe about the chemical methods of sterilisation of water.
12. Explain the cleansing action of soaps and detergents.
13. Describe the process of aluminium extraction using electrolysis.

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