

**FIFTH SEMESTER B.Sc. DEGREE (SUPPLEMENTARY) EXAMINATION
NOVEMBER 2017**

(UG—CCSS)

CH 5D 02—CHEMISTRY IN EVERYDAY LIFE

Time : Three Hours

Maximum : 30 Weightage

Section A*Answer all twelve questions.*

- I.
- 1 Mention a natural flavourant.
 - 2 Give an example for a food preservative.
 - 3 The by-product in soap manufacture is _____.
 - 4 Soft soaps are made using : (a) LiOH (b) NaOH (c) Na_2CO_3 (d) KOH.
 - 5 What is ABS detergent ?
 - 6 Give an example for an anionic detergent
 - 7 The term 'carcinogen' is linked to _____.
 - 8 _____ is a common preservative in nail polishes, shaving cream, deodorant etc.
 - 9 Mention an eco-friendly substitute for plastic.
 - 10 Name a bleaching agent used in paper Industry.
 - 11 Which is known as 'Poison Plastic' ?
 - 12 Give an example for an addition polymer.

(12 × ¼ = 3 weightage)

Section B (Short Answer Type)*Answer all nine questions.*

- II.
- 13 Mention four health drinks.
 - 14 What is 'superfatting agent' in soap ? Give an example.
 - 15 Writedown the materials required for preparing liquid soaps.
 - 16 What is meant by 'surfactant' ? What are its functions ?

Turn over

- 17 Explain the action of enzymes in detergents.
- 18 Give the general formulation of shaving cream.
- 19 What are thermoplastics ? Give two examples.
- 20 What is delignification ? How is it done ?
- 21 What are the merits of plastics ?

(9 × 1 = 9 weightage)

Section C (Short Paragraph Questions)

Answer any five questions.

- III. 22 Explain the general formulation of soft drinks.
- 23 Give an account of food colours.
- 24 Mention the different types of soaps. Give the merits and demerits of soaps.
- 25 Which are the additives used in detergents ?
- 26 What are biodegradable plastics ? Give examples.
- 27 Explain the environmental effects of detergents.
- 28 What is cotton ? What are its uses ? What is its environmental significance ?

(5 × 2 = 10 weightage)

Section D (Essay Questions)

Answer any two questions.

- IV. 29 Give the uses of PET, PVC, HDPE, PP and ABS.
- 30 (a) Describe the formulation of hair dye.
- (b) Explain the toxic effects of cosmetics.
- 31 (a) Describe 'Recycling of plastics' and 'PIC'.
- (b) Write notes on 'food adulteration'.

(2 × 4 = 8 weightage)