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Name.....

Reg. No.....

**THIRD SEMESTER B.A./B.Sc./B.Com. DEGREE EXAMINATION
NOVEMBER 2015**

(UG-CCSS)

Open Course—CH5 DO2—CHEMISTRY IN EVERYDAY LIFE

Time : Three Hours

Maximum Weightage : 30

Section A

Answer all twelve questions.

Each question carries a weightage of $\frac{1}{4}$.

- I. 1 Acidic solutions, assumed to have a property of :
- (a) Saltness. (b) Sourness.
(c) Bitterness. (d) Sweetness.
- 2 Which of the following is an amphoteric detergent ?
- (a) ABS. (b) Sodium lauryl sarcosinate.
(c) LAS. (d) Alkyl dimethyl ammonium chloride.
- 3 Soft soap is the salt of higher fatty acid with :
- (a) Sodium. (b) Magnesium.
(c) Potassium. (d) Calcium.
- 4 Which of the following is a thermosetting plastic ?
- (a) Bakelite. (b) PVC.
(c) PP. (d) PS.
- 5 Name one binding material used in laundry soap.
- 6 Give an example for a non-ionic detergent.
- 7 Name one natural food colourant.
- 8 Give one example for a natural hair dye.
- 9 What is the main component present in toilet powder ?
- 10 Give one example of an addition polymer.
- 11 Give any one use of PVC.
- 12 What is the monomer of PS ?

(12 × $\frac{1}{4}$ = 3 weightage)

Turn over

Section B (Short Answer Type)

Answer all nine questions.

Each question carries a weightage of 1.

- II. 13 What are non-sugar sweeteners ? Give one example.
14 Give two examples for Health drinks.
15 Soaps do not act efficiently in hard water. Why ?
16 How is liquid soap prepared ?
17 What is Syndet ? Give one example.
18 Give two examples for sud suppressors used in detergents.
19 What are Hair dyes ?
20 What are bathing oils ?
21 What are thermoplastics ? Give one example.

(9 × 1 = 9 weightage)

Section C (Short Paragraph Questions)

Answer any five questions.

Each question carries a weightage of 2.

- III. 22 What are soft drinks ? How can they be prepared ?
23 How is Toilet Soap prepared ?
24 How detergents are classified ? Mention one advantage of detergent over soap.
25 What are Shampoos ? What is the action of egg albumin on shampoos ?
26 Give a short account on Environmental hazards of plastics.
27 Explain the recycling of plastics.
28 What is an ABS polymer ? What are the monomers present in it ?

(5 × 2 = 10 weightage)

Section D (Essay Questions)

Answer any two questions.

Each question carries a weightage of 4.

- IV. 29 (a) What are flavours ? Briefly explain about synthetic flavours.
(b) Give a short account on manufacture of soap by hot process.
30 (a) Why enzymes are used in commercial detergents ? Explain.
(b) What are cosmetics ? Explain their classification.
31 (a) Compare the polymers HDPE and LDPE.
(b) Write a short note on biodegradable plastics.

(2 × 4 = 8 weightage)