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Name.....

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Reg. No.....

**FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2014**

(UG—CCSS)

Open Course—Chemistry

CH5 DO2—CHEMISTRY IN EVERYDAY LIFE

Time : Three Hours

Maximum Weightage : 30

**Section A**

Answer all twelve questions.

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

- Which of the following is a nonpermitted food colour :
  - Curcumin.
  - Melanil yellow.
  - Saffaron.
  - Riboflavin.
- ABS is an example for :
  - Cationic detergent.
  - Amphoteric detergent.
  - Anionic detergent.
  - Nonionic detergent.
- The following is a flavour enhancer :
  - $MgCO_3$ .
  - $NaCl$ .
  - $CaCO_3$ .
  - $LiCl$ .
- Soft soap contains :
  - Na.
  - Mg.
  - K.
  - Ca.
- One example for the surfactant present in a tooth paste is \_\_\_\_\_.
- Name one binding material used to make soap.
- Give one use of PS.
- What is the monomer of the plastic PVC ?
- Give one example of cationic detergent.
- Phenol-formaldehyde polymers are commonly known as \_\_\_\_\_.
- What is the main component present in Toilet powder ?
- Write one example for a condensation polymer.

( $12 \times \frac{1}{4} = 3$  weightage)

Turn over

**Section B (Short Answer Type)**

Answer all nine questions.

Each question carries a weightage of 1.

13. Give *two* examples of natural food colourants.
14. What are soft drinks ? Give *one* example.
15. What is the difference between Laundry soap and Toilet soap ?
16. What is meant by syndet ? Give *one* example.
17. What are fillers used in soaps ? Give *one* example.
18. Detergents act efficiently in hard water. Why ?
19. What is meant by Toxicology of cosmetics ?
20. Give *two* examples of cosmetics.
21. Give *two* uses of PET.

(9 × 1 = 9 weight)

**Section C (Short Paragraph Questions)**

Answer any **five** questions.

Each question carries a weightage of 2.

22. What are food preservatives ? Give *two* examples.
23. What are the limitations of soaps as cleansing agents ?
24. How are detergents prepared ? What is meant by LAS detergents ?
25. What is a shampoo ? How is it prepared ?
26. What are the differences between thermoplastics and thermosetting plastics ?
27. Give a short note on recycling of plastics.
28. What are ABS polymers ? What is its importance ?

(5 × 2 = 10 weight)

**Section D (Essay Questions)**

Answer any **two** questions.

Each question carries a weightage of 4.

29. (a) Describe the properties of plastics.  
(b) Give a short note on Environmental hazards of plastics.
30. (a) What are hair dyes ? How is it prepared ?  
(b) What are flavours ? Briefly explain on synthetic flavours.
31. (a) Explain the cleansing mechanism of detergents.  
(b) Describe the hot process for the manufacture of soap.

(2 × 4 = 8 weight)