

**FIFTH SEMESTER B.Sc. DEGREE EXAMINATION  
NOVEMBER 2011**

(CCSS)

Chemistry – Open Course

CH 5D 02 – CHEMISTRY IN EVERYDAY LIFE

Time : Three Hours

Maximum Weightage : 30

**Section A***Answer all twelve questions.*

I. 1. The following is an example for flavour enhancer :

- |                       |                       |
|-----------------------|-----------------------|
| (a) NaCl.             | (b) $\text{CaCO}_3$ . |
| (c) $\text{BaCO}_3$ . | (d) LiCl.             |

2. Soft soaps contain :

- |         |         |
|---------|---------|
| (a) Na. | (b) K.  |
| (c) Al. | (d) Ca. |

3. One of the following is an anionic detergent :

- |          |            |
|----------|------------|
| (a) ABS. | (b) STPP.  |
| (c) AB.  | (d) Oleum. |

4. Material that can be moulded or formed into any desired shape is :

- |              |                |
|--------------|----------------|
| (a) Polymer. | (b) Plastic.   |
| (c) Fibre.   | (d) Elastomer. |

5. The essential components of tooth paste are a detergent and \_\_\_\_\_

6. The specific gravity of plastic materials vary from \_\_\_\_\_

7. \_\_\_\_\_ is a well known example for amphoteric type of detergent.

8. Soap which contains no fillers is called \_\_\_\_\_

9. Name one type of adulterant.

10. Name one binding material used in soap industry.

11. Give one example for suds suppressor used in detergents.

12. What is Syndet?

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

Turn over

**Section B (Short Answer Type)**

Answer all **nine** questions.

- II. 13. What is the action of *egg* albumin in shampoos?
14. What is a detergent?
  15. What are the important factors involved in the cleansing action of soaps?
  16. How is liquid soap prepared?
  17. What are soft drinks? Give *one* example.
  18. Give *two* examples for health drinks.
  19. Plastics have widely been used. Why?
  20. What are thermoplastics?
  21. Give any *two* uses of LDPE.

(9 x 1 = 9 weightage)

**Section C (Short Paragraph Questions)**

Answer any **five** questions.

- III. 22. Describe the properties of plastics.
23. Give short note on biodegradable plastics.
  24. What is shampoo? How is it prepared?
  25. Name types of detergents. What is its action on fabrics?
  26. Explain the significance of acidity and alkalinity in soaps.
  27. What should be the characteristics of an enzyme in detergents? Explain.
  28. What are flavours? Briefly explain synthetic flavours.

(5 x 2 = 10 weightage)

**Section D (Essay Questions)**

Answer any **two** questions.

- IV. 29. Write an essay on plastics in daily use giving suitable examples and their importance.
30. Explain the following :
- (a) General formation of hair dyes and shaving creams.
  - (b) Environmental hazards of detergents.
31. What are cosmetics? Explain their classification and their toxicity.

(2 x 4 = 8 weightage)