

Reg. No.....

Name.....

B.A./B.Sc./B.COM DEGREE END SEMESTER EXAMINATION OCTOBER 2017**SEMESTER –5: CHEMISTRY (OPEN COURSE)****COURSE: 15U5OCHE1: CHEMISTRY IN EVERYDAY LIFE***(For Regular 2015 admission)*

Time: Three Hours

Max. Marks: 75

SECTION A*(Answer **any Ten** questions. 1 mark each)*

1. Give an example for inorganic food preservative.
2. Name a compound used as antioxidant for packaged foods.
3. The by-product obtained during the manufacture of soap is
4. Give one example for an anionic detergent?
5. Give one example for a builder used in detergents.
6. Creams and lotions that soften the skin are called
7. Main colouring material in hair dyes is
8. Name the first man-made Polymer.
9. Give an example of thermosetting plastics.
10. Which chemical structure is responsible for the antibacterial activity of penicillin?
11. The chemical compound in 'Aspirin' is
12. What are direct fertilizers?
13. Give an example of artificial sweetener.

 $(1 \times 10 = 10)$ **SECTION B***(Answer **any Ten** questions. 2 marks each)*

14. What is meant by NPK value of a fertilizer? What is its importance?
15. Name two essential oils and mention their uses.
16. Write uses of HDPE and LDPE.
17. What is an azo dye? Give one example.
18. Baby shampoos contain an amphoteric detergent. Why?
19. Why a fluoride compound is usually added to tooth paste?
20. What are ABS and LAS detergents?
21. What are emulsifying agents? Give two examples.
22. What are the advantages of detergents over soaps?

23. Give examples for fillers and flavours used in liquid soap manufacture.
24. What are taste enhancers? Give two examples.
25. What are natural and synthetic polymers?
26. What are food preservatives? Give two examples (2 × 10 = 20)

SECTION C

(Answer **any Five** questions. 5 marks each)

27. List the important preservatives added to food and explain their role.
28. Write briefly on liquid soap manufacture.
29. Write a note on enzymes used in commercial detergents.
30. Explain the toxicology of cosmetics.
31. Write a short note on environmental hazards of plastics.
32. What are antipyretics and analgesics? Give two representative examples.
33. Discuss the classification of hair dyes.
34. Write a note on the toxic effects of pesticides. (5 × 5 = 25)

SECTION D

(Answer **any Two** questions. 10 marks each)

35. Explain the impact of excessive use of fertilizers on the environment with suitable examples.
36. Give a brief account of the following
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|----------------------|-----------------------------------|
| a. Talcum powders | b. Antiperspirants and deodorant |
| c. Food Adulteration | d. Natural and Synthetic Flavours |
37. Write briefly international recycling symbols and codes for identification.
38. What are the different types of soaps? Describe the cleaning action of soaps. What are the limitations of soaps as cleaning agents? (10 × 2 = 20)
