

UNDERGRADUATE END SEMESTER EXAMINATION - OCTOBER 2024**SEMESTER 5 : CHEMISTRY (OPEN COURSE)****COURSE : 19U5OCHE1 : CHEMISTRY IN EVERYDAY LIFE***(For Regular 2022 Admission and Supplementary 2021/2020/2019/2018/2017/2016 Admissions)*

Time : Three Hours

Max. Marks: 75

PART A**Answer any 10 (1 mark each)**

1. What is nervous stimulant present in a cola?
2. What is TFM?
3. What do you mean by cologne?
4. Name any two flavours used in soft drinks.
5. Permanent hair dyes are usually the derivatives of -----
6. Give the expansion of DDT
7. What is a "hormone type" herbicide?
8. What is a hard soap?
9. What should be the ideal C-chain length of a detergent?
10. What is the scientific definition for drugs?
11. Name a mordant dye.
12. What is the role of ammonia in permanent hair dyes?
13. Why green tea is considered as a health drink?

(1 x 10 = 10)**PART B****Answer any 10 (2 marks each)**

14. What is the role of fillers in detergent chemistry?
15. What do you mean by astringents? Give an example.
16. Write brief note on the benefits of using biofertilizers.
17. Name any four artificial sweeteners.
18. What is the role of emulsifiers in a food? Give two examples for emulsifiers.
19. Write the importance of vegetable oils in aroma therapy.
20. How will you explain the action of antifertility drug?
21. What is the role of a micelle in soap chemistry?
22. What are antacids? Give two examples.
23. Give an example of a soft detergent.
24. What are growth inhibitors? Give example.
25. Write about the environmental problem occur during paper manufacture.
26. Explain why soap cannot be used in hard water?

(2 x 10 = 20)**PART C****Answer any 5 (5 marks each)**

27. Write about Environmental Hazards of Polymers.
28. Write a note on tranquilizers.

29. Give a brief account of the composition of bathing soap. Mention the role of each components.
30. What are the types of preservatives used in food industry? Give example for each type.
31. Give a brief account of the classification of detergents.
32. Discuss the environmental hazards of detergents.
33. What are two methods of pulp making in paper manufacture?
34. Differentiate between deodorant and antiperspirant in terms of their action.

(5 x 5 = 25)

PART D

Answer any 2 (10 marks each)

35. Write a note on the chemistry of the dental cosmetic products and their ingredients. What is the advantage of using fluorinated toothpastes? Explain.
36. What is food adulteration? What are the different classes of food adulterants? Give examples for each type.
37. Describe the activity and utilities of various artificial sweeteners.
38. Write briefly on paper manufacture.

(10 x 2 = 20)