

B.A / B.COM / B.SC DEGREE END SEMESTER EXAMINATION - OCT. 2020**SEMESTER 5 : CHEMISTRY (OPEN COURSE)****COURSE : 15U5OCHE1 : CHEMISTRY IN EVERYDAY LIFE***(Common for Regular - 2018 Admission & Supplementary - 2017/ 2016 & 2015 Admissions)*

Time : Three Hours

Max. Marks: 75

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

1. Give the name of the chemical compounds present in vanilla and pineapple flavours.
2. Name the new food law passed by the Indian Parliament that overrides all other food related laws.
3. What should be the ideal C-chain length of a soap molecule ?
4. What is an amphiphilic detergent?
5. Calcium Carbonate is used in toothpaste as
6. An example for sweetener in tooth paste is
7. Developer/ oxidizing agent used in permanent hair dye is.....
8. What do you mean by chemotherapy?
9. What are antipyretics?
10. Which sugar is normal constituent of blood and occurs in the urine of diabetic patients?
11. Name the first manmade polymer.
12. Give the expansion of PVC
13. Name the class of polymers with elastic properties

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

14. What is chemically a soft drink?
15. What is the chemistry behind taste enhancers? Give two example?
16. Differentiate between hard and soft soaps.
17. What are builders in detergents? Give one example.
18. What is the role of fillers in detergent chemistry?
19. Give the structure of a LAS detergent.
20. What are the ingredients used in talcum powder?
21. What do you mean by emollients used in skin products?
22. How will progesterone injection serve as a birth control drug?
23. Write short note on microbial pesticides with one example.
24. What are NPK fertilizers? Give NPK representation.
25. Give two examples each for natural and synthetic polymers
26. What are the applications of PP?

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

27. Give detailed description about the classification of flavouring substances with example.
28. What are detergents? Explain the advantages and disadvantages of using detergents as cleansing agents.

29. Write a note on shampoos.
30. Write a note on analgesics.
31. What are anti histamines? Describe their mode of action and possible side effects.
32. Give the examples and uses of two organochlorine insecticides.
33. What are the important uses of wood for mankind?
34. Mention the features and applications of coir

(5 x 5 = 25)

PART D

Answer any 2 (10 marks each)

35. Give a detailed account of soft and health drinks. Outline their impact on health
36. Discuss in detail the classification of soap, the soap additives and their roles and the mechanism of cleansing action.
37. Write a short note on artificial fertilizers. What are the environmental hazards associated with these type of fertilizers?
38. Write briefly on paper manufacture

(10 x 2 = 20)