

B. A / B.COM / B.SC DEGREE END SEMESTER EXAMINATION - OCTOBER / NOVEMBER 2019
SEMESTER 5: CHEMISTRY (OPEN COURSE)

COURSE: 15 U50CCHE1: CHEMISTRY IN EVERYDAY LIFE

(Common for Regular - 2017 Admission & Improvement 2016 / Supplementary - 2016, 2015 Admissions)

Time: Three Hours

Max. Marks: 75

SECTION - A

Answer any 10 (1 marks each)

1. Name a compound used as an oxidant for packaged foods.
2. What is the chemical constitution of vinegar?
3. Which metal ions are present in coloured soap?
4. What is an amphiphilic detergent?
5. Name one preservative used in cosmetics.
6. Triclosan is used as a in cosmetics.
7. The essential components of a tooth paste are and
8. What are analgesics?
9. Name an antibiotic used for treatment of tuberculosis.
10. Olive oil is an example of
11. Which is the most widely used plastics in the world?
12. Which is the main constituent responsible for the stiffness and natural colour of coir?
13. Give an example of natural dye. (1 x 10 = 10)

SECTION - B

Answer any 10 (2 marks each)

14. Name any four food safety Acts in India.
15. What is the function of monosodium glutamate in food industry? What is its side effect?
16. Explain why soap cannot be used in hard water?
17. Differentiate between hard detergent and soft detergent.
18. Explain application of detergents in the pharmaceutical industry
19. What are the major ingredients of lipstick?
20. What do you mean by astringents? Give an example.
21. What are antacids? Give two examples.
22. Write a short note on DDT.
23. Write brief note on the benefits of using biofertilizers.
24. Mention 4 types of papers
25. Write any four applications of paper.
26. What are the applications of PP? (2 x 10 = 20)

SECTION - C

Answer any 5 (5 marks each)

27. Give a brief account of the chemistry of soft drinks.
28. Discuss briefly the ingredients of detergents. Mention the role of each.
29. Give a description on the chemistry behind permanent hair dyeing.
30. Describe the difference in the action of emergency contraceptives and medical abortion pills. Give an example for each.
31. Write a note on tranquilizers
32. What are pesticides? Give different classes of pesticides with example.
33. How HDPE and LDPE differ?
34. Elaborate about biodegradability of polymers. (5 x 5 = 25)

SECTION - D

Answer any 2 (10 marks each)

35. Explain the following food additives with suitable examples.
 - a) Food Flavours
 - b) Food colours
 - c) Preservatives
 - d) Leavening Agents
 - e) Taste enhancers
36. Discuss the various methods of manufacture of soap and explain the additives of soap and their roles.
37. What are the environmental hazards of synthetic pesticides?
38. Write a note on recycling of plastics. Give the applications of different recycled plastics.