

B.SC. DEGREE END SEMESTER EXAMINATION OCTOBER 2016**SEMESTER - 5: CHEMISTRY (OPEN COURSE)****COURSE: U5OCHE1 -: CHEMISTRY IN EVERY DAY LIFE**

Time: Three Hours

Max.Marks: 75

SECTION AAnswer **any Ten** questions.**1 mark each**

1. What are food preservatives?
2. Name one adulterant added in rice other than stone.
3. What is soap?
4. Name one cationic detergent.
5. Give an example of synthetic colour
6. Main colouring material in hair dye is.....
7. Write the monomer unit in HDPE
8. Major Chemical component of coir is.....
9. What was the first antibiotic discovered?
10. The chemical compound in 'Aspirin' is
11. Give an example of tranquilizer.
12. Name two phosphate fertilizers.
13. Give an example for Bio Pesticide.
14. What is Saccharin? (1 x 10 = 10)

SECTION BAnswer **any ten** questions. **2 marks each**

15. Name any two food safety acts in India
16. What are flavouring agents? give examples
17. What are synthetic detergents? How they are classified?
18. Explain the role of enzymes in commercial detergents.
19. Write down the general formulation of face creams?
20. What is the difference between drug and cosmetic?
21. What are the uses of PET and ABS.

22. What is a biofertilizer ? Give example?
23. What are the different types of paper?
24. Explain Environmental hazards of plastic.
25. What are the international recycling codes and symbols used for the identifications of plastics?
26. How does tranquiliser differ from sedatives?
27. What are the advantages of sucralose over the other sweetening agents?
28. The NPK value of a fertilizer is given as 10:5:20. What does imply.

(2 x 10 = 20)

SECTION C

Answer **any five** questions. **5 marks each**

29. What are the ingredients present in carbonated soft drinks .Briefly account for it.
30. Explain the cleansing action of detergents.
31. Write briefly on plant growth hormones.
32. Differentiate between thermo plastic and thermoset plastics
33. What are the requisites of a dye?
34. Explain in detail toxicology of cosmetics.
35. Write down any Five difference between soap and detergent.
36. Write note on natural colours and spurious food colours

(5 x 5 = 25)

SECTION D

Answer **any two** questions. **10 marks each**

37. Describe the following with suitable example
 - (a) Antipyretics
 - (b) Antihistamines
 - (c) Antacids
 - (d) Antibiotics
38. Explain the following with suitable examples
 - (a) Emulsifying agents
 - (b) Artificial sweeteners
 - (c) Leavening agents
 - (d) Taste enhancers

39. Write briefly on classification of pesticides and explain the environmental hazards caused by excessive use of it.

40. What are cosmetics? How are they classified? (10 x 2 = 20)
