



QP CODE: 21100048

Reg No :

Name :

UNDERGRADUATE (CBCS) EXAMINATION, FEBRUARY 2021

Fifth Semester

(Offered by the Board of Studies in Chemistry)

Open Course - CH5OPT01 - CHEMISTRY IN EVERYDAY LIFE

2017 Admission Onwards

451459D7

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What is the chemical constitution of vinegar? What is its use in food industry?
2. What are emulsifying agents? Give examples?
3. What are the ingredients of soft drinks?
4. Write the functions of anti-redepositing agents and optical brighteners in detergents?
5. Detergents are safer than soaps to wash silk garments. Why?
6. What are cosmetics?
7. What are polymers?
8. Give any two properties of HDPE?
9. Explain antifertility drug with examples.
10. What are indirect fertilizers?
11. What are plant growth regulators cum weed killers?
12. What is meant by lotus effect?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*



13. Explain the importance of food additives.
14. Briefly explain the harmful health effects of fast foods and junk foods.
15. Write a note on 'types of detergents'.
16. Give the basic chemistry of hair dyes and the chemical reaction that occur while they are applied.
17. Differentiate between thermoplastics and thermosetting polymers.
18. Is there any environmental impact for paper? Comment on it.
19. Write a note on prevention and treatment for drug addiction and abuse.
20. Write a note on the environmental hazards associated with artificial fertilizers.
21. Discuss the applications of nanoparticles in biology and medicine.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

22. Write a note on Food Adulteration?
23. What are the toxic effects of cosmetics?
24. Explain paper manufacturing process.
25. (a) write a note on plant growth hormones.
(b) What is the importance of biofertilizers?

(2×15=30)

