

QP CODE: 25031090



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Reg No :

Name :

**UNDER GRADUATE (CBCS) REGULAR / REAPPEARANCE / MERCY CHANCE
EXAMINATIONS, OCTOBER 2025**

Fifth Semester

(Offered by the Board of Studies in Chemistry)

OPEN COURSE - CH5OPT01 - CHEMISTRY IN EVERYDAY LIFE

2017 Admission Onwards

DF18E3E5

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What is baking powder chemically? Explain its role in food industry.
2. What are the ingredients of soft drinks?
3. What are intentional adulterants?
4. What is the use of enzyme lipase in detergents?
5. How can we prevent eutrophication from detergents?
6. What are cosmetics?
7. Name one thermoplastic polymer.
8. Name one biodegradable plastic.
9. Explain stimulants with examples.
10. Give two examples for natural inorganic fertilizer.
11. What is meant by 'bioconcentration factor'?
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. How can we classify soaps based on TFM?
16. Briefly explain the categories of components of a perfume based on their difference in volatility.
17. Comment on the filling, sizing and colouring of paper.
18. Write a short note on international recycling codes and symbols for identification plastics.
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. What are food additives? Give two examples for each type of additive and the role played by them.
23. What are the toxic effects of cosmetics?
24. What are dyes? What are the requirements of a dye? Give the classification of dyes with suitable example.
25. (a) Write a note on plant growth hormones. (b) What is the importance of biofertilizers?

(2×15=30)

