22103407

UNDER GRADUATE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, NOVEMBER 2022

Fifth Semester

(Offered by the Board of Studies in Chemistry)

OPEN COURSE - CH5OPT01 - CHEMISTRY IN EVERYDAY LIFE

2017 Admission Onwards

CC16C7B9

Time: 3 Hours   Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Sodium and Potassium metabisulphites are not recommended for the preservation of acidic foods. Why?

2. Why Saccharin is used as a sweetening agent by diabetic patients?

3. What are the ingredients of soft drinks?

4. Which is the additive used to increase detergency of detergents? Give an example.

5. How can we prevent eutrophication from detergents?

6. What are cosmetics?

7. Give two uses of PS.

8. What are the limitations of natural dyes?

9. What are antibiotics?

10. Give two examples for phosphatic fertilizers.

11. What are plant sex killers?

12. What are the basic approaches used to synthesise nanomaterials?

(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. Explain the limitations of soaps as cleansing agents.

16. Briefly explain the categories of components of a perfume based on their difference in volatility.

17. Differentiate between organic and inorganic polymers.

18. Briefly discuss the environmental impact of paper.

19. Write a note on drug addiction and abuse.

20. Write a note on the environmental hazards associated with artificial fertilizers.

21. Write a note on the history and development of nanotechnology.

(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)