

**FIFTH SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2022****(Regular/Improvement/Supplementary)****CHEMISTRY (OPEN COURSE)****GCHE5D02T: CHEMISTRY IN DAILY LIFE****Time: 2 Hours****Maximum Marks: 60****SECTION A: Answer the following questions. Each carries 2 marks.****(Ceiling 20 Marks)**

1. Name a thermosetting polymer and mention its starting materials.
2. What is SBR? Give its monomer.
3. Discuss the functions of glucocorticoids.
4. Write a short note on natural and synthetic food colorants.
5. What is meant by Taste enhancers? Give one example and mention its side effects.
6. Name the primary macronutrients required for plant growth.
7. What are anionic detergents? Give example.
8. Discuss the ingredients of nail polish.
9. What are Antacids? Give the classification of Antacids.
10. What is meant by psychedelic drugs?
11. Give two examples each for solid fuel and liquid fuel.
12. What is meant by cetane number?

**SECTION B: Answer the following questions. Each carries 5 marks.****(Ceiling 30 Marks)**

13. What is meant by addition polymerisation? Explain with an example and mention two applications of the product obtained.
14. What is PLA? Discuss its significance and application.
15. Explain on the basis of pheromones in pest management.
16. Discuss the composition of shaving cream.
17. What are antibiotics? Classify them with suitable examples.
18. What is the difference between the terms auxochrome and chromophore? Mention the role of each in imparting colour to the dye molecule.
19. What is LPG? What are its ingredients? Mention its important uses.

**SECTION C: Answer any 1 question. Each carries 10 marks.**

20. What are water soluble vitamins? Explain sources, functions and deficiency diseases of water soluble vitamins.
21. Give an account of nutritional aspects of milk. Discuss in detail the preservation and processing of milk.

**(1x 10 = 10 Marks)**