

FIFTH SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2023

(Regular/Improvement/Supplementary)

CHEMISTRY

GCHE5D02T: CHEMISTRY IN DAILY LIFE (OPEN COURSE)

Time: 2 Hours

Maximum Marks: 60

SECTION A: Answer the following questions. Each carries *two* marks.

(Ceiling 20 Marks)

1. Give the names and formulae of the monomer units of the (i) Polythene; (ii) P.V.C.
2. List out the characteristics of a good fuel.
3. What are the sources of vitamin B9? What is the chemical name of Vitamin B9?
4. What are food preservatives? Name any two food preservatives.
5. Give an example for chemical fertilizer (i) which provides both nitrogen and phosphorous and (ii) which provides both nitrogen and potassium.
6. What is the disadvantage associated with the use of soaps in hard water?
7. Explain chemical name, generic name and trade name with a suitable example.
8. What is meant by antihistamines? Mention their applications.
9. Mention the psychological effect of tranquilizers.
10. What are the starting materials for the preparation of Nylon 66?
11. Distinguish between peat coal and lignite coal?
12. What are the standards used to measure octane rating? Give its antiknocking value.

SECTION B: Answer the following questions. Each carries *five* marks.

(Ceiling 30 Marks)

13. Discuss the composition and health effects of tooth paste.
14. How are polymers classified on the basis of intermolecular forces? Give examples for each class.
15. Give an account on Indigo and Alizarin dyes.
16. What are pheromones? Discuss its types.
17. Write a note on Resin Identification Coding (RIC) system.
18. What are perfumes? Briefly discuss the health effects associated with the use of perfumes.
19. Briefly explain the pollution due to burning of fossil fuels.

SECTION C: Answer any *one* question. Each carries *ten* marks.

20. What are enzymes? Explain about its characteristics and classification.
21. Give an account of nutritional aspects of Coconut based beverages. Discuss about the extraction of Neera and its conversion into coconut sugar.

(1 x 10 = 10 Marks)