

20U517

(Pages: 2)

Name: .....

Reg.No: .....

**FIFTH SEMESTER UG DEGREE EXAMINATION, NOVEMBER 2022**

(CBCSS - UG)

(Regular/Supplementary/Improvement)

**CC19U CHE5 D02 - CHEMISTRY IN DAILY LIFE**

(Chemistry - Open Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

**Part A** (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. What are thermoplastic polymers? Give an example.
2. What are the applications of nylon-66?
3. Give the chemical name of vitamin A. What are its biological functions?
4. Which are the estrogen hormones?
5. Define the following terms (a) adulteration and (b) adulterant.
6. Explain four effects of junk food on health.
7. What are rhodenticides? Give two examples.
8. Give two advantages of soap over detergents.
9. What are the impacts of the ingredients of shampoo on environment?
10. Define pharmacophore.
11. What are antacids? Give two examples.
12. What is the composition of wood? What is the calorific value of air dried wood?

**(Ceiling: 20 Marks)**

**Part B** (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Write notes on (a) Elastomers (b) Fibres.
14. Explain the structure of RNA. What are its different forms?
15. Write a note on the importance of coconut water.
16. Write notes on: fountation creams and cleansing creams.

17. Write notes on: lipsticks and rouge.
18. Explain acid dye and basic dye on fabric. Give examples. What is the mode of action of these dyes to the fabric?
19. What is octane number of a fuel? How can we improve the anti-knock characteristics of a fuel?

**(Ceiling: 30 Marks)**

**Part C (Essay questions)**

Answer any *one* question. The question carries 10 marks.

20. Define food additive. Write a note on the following food additives with examples:  
(a) Antioxidants (b) food preservatives (c) food colours (d) Artificial sweeteners (e) Taste enhancers
21. Discuss about (a) Natural gas (b) Biogas plant.

**(1 × 10 = 10 Marks)**

\*\*\*\*\*