

(6 pages)

Reg. No. :

Code No. : 30492 E Sub. Code : CNCH 42

U.G. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2024.

Fourth Semester

Chemistry

Non Major Elective – CHEMISTRY IN EVERYDAY
LIFE

(For those who joined in July 2021&2022 only)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer.

1. Lipstick contains
 - (a) Wax, oil
 - (b) Wax only
 - (c) Wax and moisture
 - (d) Wax, oil and pigments

2. Dentifrices help to reduce
 - (a) Plaque
 - (b) Dental erosion
 - (c) Calculus
 - (d) All the above
3. Which one of the following is used to improve the cleaning properties?
 - (a) Fillers
 - (b) Builders
 - (c) Additives
 - (d) None of the above
4. The cleansing action of soaps and detergents is due to their capacity to
 - (a) Increase the surface tension
 - (b) Maintain the surface tension
 - (c) Reduce the surface tension
 - (d) None of the above
5. Which one of the following is the substances that may prevent or delay the cell damages?
 - (a) Cholesterols
 - (b) Fatty acids
 - (c) Cooking oil
 - (d) Anti oxidants
6. What happens when too much of heat is supplied while cooking the food
 - (a) Browning the food
 - (b) Flavouring
 - (c) Burnt flavours
 - (d) Syrup formation

7. A controlled aerobic process that converts organic materials into a nutrient with soil amendment is called as
- (a) Fertilizers (b) Insecticides
(c) Fungicides (d) Composting
8. If we use insects or bacteria to control the weed population it is called as
- (a) Chemical control
(b) Atmospheric control
(c) Biological control
(d) Manmade control
9. Nylon and polyester are the most common examples for
- (a) Yarns (b) Fabrics
(c) Carpet materials (d) Fibers
10. Which one of the factor which affects flammability of the textiles?
- (a) Fibre content (b) Fabric weight
(c) Fabric finishes (d) All the above

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PART B — (5 × 5 = 25 marks)

Answer ALL questions, by choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) List out the features of medicated soaps.
- Or
- (b) What are the salient features of sun screen lotion?
12. (a) How the surface active agents are useful in everyday life?
- Or
- (b) Write on the detergent action.
13. (a) Explain hydrogenation of oil.
- Or
- (b) Explain Antioxidants.
14. (a) Write about the nutrient deficiencies in plants.
- Or
- (b) How will you control the weed in a biological way?

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[P.T.O.]

15. (a) Explain chemistry of tanning.

Or

(b) Explain carpet materials.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, by choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Explain;

(i) Antiperspirants

(ii) Cosmetic soaps

Or

(b) Explain:

(i) Tooth pastes

(ii) Skin colourants

17. (a) Explain:

(i) Washing soaps

(ii) Toilet soaps

Or

(b) Explain

(i) Fillers

(ii) C-Fragrance

18. (a) (i) Explain stability of nutrients of during cooking. (6)

(ii) Define, Saturated fatty acids. (2)

Or

(b) (i) Discuss on microwave cooking. (6)

(ii) Define unsaturated fatty acids. (2)

19. (a) Explain

(i) Insecticides

(ii) Fungicides

Or

(b) Explain

(i) Fertilizers

(ii) Composting

20. (a) Explain

(i) Fibers (4)

(ii) Yarns (4)

Or

(b) Explain:

(i) Fabrics (4)

(ii) Dyeing (4)