

(6 pages)

Reg. No. :

Code No. : 10492 E Sub. Code : CNCH 42

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

Fourth Semester

Chemistry — Non major Elective

CHEMISTRY IN EVERYDAY LIFE

(For those who joined in July 2021–2022)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer.

1. Xanthene is an example for

- (a) Preservatives
- (b) Thickening agents
- (c) Parabens
- (d) Disinfectants

2. Antiperspirants helps

- (a) Reduce underarm sweating
- (b) Combat the bad odour
- (c) Temporarily clog the pores
- (d) (a) and (b)

3. Sodium or potassium salts of the fatty acids are called

- (a) Additives
- (b) Surface active agents
- (c) Soaps
- (d) Fragrance

4. Water glass is one of the component in

- (a) Detergent
- (b) Flavours
- (c) Surface active agents
- (d) Oil

5. Which one of the following is the addition of molecular hydrogen to the double bonds of unsaturated fatty acids

- (a) Chemical change
- (b) Physical change
- (c) Hydrogenation of oil
- (d) Physio chemical change

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6. Which is related to the conversion of electromagnetic energy into thermal energy?

- (a) Thermal cooking
- (b) Microwave cooking
- (c) Photo energy
- (d) Wind energy

7. The symptom appeared in older leaves at the lower part of the plants is due to the deficiency of

- (a) Copper
- (b) Manganese
- (c) Zinc
- (d) All the above

8. Which one of the following is one of the important fungicide?

- (a) Carbonyl
- (b) Captan
- (c) Malathion
- (d) Boric acid

9. Nylon and polyester are the most common examples for

- (a) Yarns
- (b) Fabrics
- (c) Carpet materials
- (d) Fibers

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10. Which one of the factors which affects flammability of the textiles?

- (a) Fiber content
- (b) Fabric weight
- (c) Fabric finishes
- (d) All the above

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) What do you mean by all purpose of cream?

Or

(b) How the shampoos are useful in everyday life?

12. (a) Write the basic chemical composition of soaps.

Or

(b) Discuss on the common detergent chemicals.

13. (a) Explain Butter.

Or

(b) Explain Cooking oil.

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14. (a) Write note on food for plants.

Or

- (b) Discuss on the pesticides and their toxicities.

15. (a) Discuss on flammability.

Or

- (b) Explain fabrics.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) (i) Define Cosmetics and the role of additives in cosmetics. (6)
(ii) Mouth washers (2)

Or

- (b) Discuss on the following :

- (i) Skin colourant (5)
(ii) Lipstick (3)

17. (a) Explain :

- (i) surface active agents (4)
(ii) bathing bars (4)

Or

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- (b) (i) How will you narrate the significance of acidity and alkalinity? (5)

- (ii) Write a notes on builders. (3)

18. (a) (i) Explain hydrogenation of oil
(ii) Explain Antioxidants.

Or

- (b) Discuss on the following :

- (i) Chemistry of cooking (5)
(ii) Cooking oil (3)

19. (a) Explain the nutrient deficiencies in plants.

Or

- (b) How will you control the weeds and pests biologically?

20. (a) Write a detailed note on carpet materials.

Or

- (b) Explain leather materials.

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