(6 pages)	
Reg. No. :	3. The byproduct obtained with soap is
Code No.: 10459 E Sub. Code: CNCH 42	(a) KOH (b) NaOH
Code No.: 10459 E Sub. Code: CNCII	(c) glycol (d) glycerol
U.G. (CBCS) DEGREE EXAMINATION, APRIL 2023.	4. Pick out the name of the surfactant from the following
Fourth Semester	(a) sodium sulphate
Chemistry	(b) sodium lauryl sulphate
Non-Major Elective - CHEMISTRY IN EVERYDAY LIFE	(c) uranyl sulphate (d) paraffin
(For those who joined in July 2021 onwards)	<ol> <li>In microwave oven electromagnetic energy is converted intoenergy.</li> </ol>
Time: Three hours Maximum: 75 marks	(a) light (b) sound
PART A — $(10 \times 1 = 10 \text{ marks})$	(c) heat (d) none of the above
Answer ALL questions.	6. Which of the following is a saturated fatty acid?
Choose the correct answer:	(a) myristic acid
1. The role of TiO <sub>2</sub> in cosmetics	(b) palmetic acid
(a) anticeptic (b) uv-filter	(c) steric acid
(c) colourant (d) preservatives	(d) all the above
2. Pick out the name of a natural perfume from the following	7. Plant converts carbon dioxide into
(a) musk (b) linalool	(a) starch
(c) coumarin (d) flavones	(b) aldehyde
(c) coumarm (u) navones	(c) ketone
	(d) water
	Page 2 Code No. : 10459 E
8. Plants prepare their own food by	12. (a) What are soaps? Give their composition.
(a) hydrolysis	Or
(b) oxidation	(A) Communication in the large labelity of
(c) reduction	(b) Summarize the bio-degradability of soap.
(d) photosynthesis	13. (a) Compile the chemistry of microwave cooking.
9. The chemical compound used in leather tanning is	Or
(a) ammonium sulphate	(b) Predict the nature and composition of fatty
(b) ammonium borate	
(c) basic chromium sulphate	acids in butter.
(d) ammonium chloride	14. (a) Illustrate the effect of nutrient deficiency in
10 is a synthetic fiber.	plants.
	MINE CENT

15. (a)

PART B —  $(5 \times 5 = 25 \text{ marks})$ Answer ALL questions, choosing either (a) or (b). Each answer should not exceed 250 words. 11. (a) Explain the classification of cosmetics.

(a)

(b)

(c) (d) wool

silk

cotton

nylon

Or

Summarize the role of additives in cosmetics. Page 3 Code No.: 10459 E

Write the composition of carpet material.

Illustrate the role of fertilizers with example.

Identify the different dyes used in textile

Or

industries. Give their nature.

Or

Page 4

Code No.: 10459 E

PART C --  $(5 \times 8 = 40 \text{ marks})$ 

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

Each answer should not exceed 600 words.

 (a) Tabulate the composition of moisturizing soap and medicated soap.

Or

- (b) Discuss the following cosmetics in detail.
  - (i) shampoo
  - (ii) deodorants
- 17. (a) What are detergents? Explain their action.

Or

- (b) Give the composition of the following with example.
  - (i) washing soap
  - (ii) toilet soap.
- 18. (a) Compile the chemistry of cooking.

Or

(b) Predict the stability of nutrients during cooking.

Page 5 Code No.: 10459 E

 (a) Discuss the biological control of weeds and pests.

Or

- (b) Illustrate the following with example
  - (i) insecticides
  - (ii) fungicides
- 20. (a) Construct the methodology for leather tanning.

Or

- (b) Illustrate the following with example.
  - (i) Yarn
  - (ii) Fabrics.

Page 6 Code No.: 10459 E