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Reg. No. : .....

Code No. : 10021 E Sub. Code : SNCH 4 B/  
- ANCH 42

U.G. (CBCS) DEGREE EXAMINATION, APRIL 2023.

Fourth Semester

Chemistry

Non Major Elective – APPLIED CHEMISTRY

(For those who joined in July 2017 – 2020 only)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. \_\_\_\_\_ salts of higher fatty acid is called hand soaps
- (a) Na  
(b) K  
(c) Ca  
(d) None of the above

6. Poly tetra fluoro ethene is otherwise called as

- (a) Bakelite (b) Teflon  
(c) Nylon (d) Fevicol

7. Acetyl salicylic acid is used as

- (a) Anti septic (b) Mouth wash  
(c) Analgesics (d) Antibiotics

8. Aluminium hydroxide is used as

- (a) Ant acids (b) Antiseptics  
(c) Analgesics (d) Antibiotics

9. Main ingredients of tooth paste includes

- (a) Baking soda  
(b) Cloves  
(c) Artificial sweetness  
(d) All the above

10. Talcum power contains minerals mainly of

- (a) Mg, Si, O<sub>2</sub> (b) Mg, Ca, O<sub>2</sub>  
(c) Mg, Ti, O<sub>2</sub> (d) All the above

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2. The raw materials used for making soaps are
- (a) hard oils  
(b) caustic soda  
(c) sodium chloride  
(d) all the above
3. The fertilizer that contains 47% Nitrogen is \_\_\_\_\_
- (a) Ammonium Sulphate  
(b) Ammonium Nitrate  
(c) Urea  
(d) Potassium Nitrate
4. Example for mixed fertilizer is \_\_\_\_\_
- (a) NPK  
(b) Potassium Nitrate  
(c) Triple super phosphate  
(d) None of the above
5. Bakelite is obtained by condensing phenol with
- (a) HCHO  
(b) Acetaldehyde  
(c) Benzaldehyde  
(d) All the above

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PART B — (5 × 5 = 25 marks)

Answer ALL questions choosing either (a) or (b).  
Each answer should not exceed 250 words.

11. (a) Give the classification of soaps.  
Or  
(b) What are Detergents? Give its classification.
12. (a) What are characteristics of good fertilizer?  
Or  
(b) Write a note on natural fertilizer.
13. (a) Give the difference between thermo plastics and thermo sets with examples.  
Or  
(b) Write a note on Vulcanization of rubber.
14. (a) Give the definition and uses of Laxatives.  
Or  
(b) Write a note on Penicillins.
15. (a) Give the preparation and uses of boot polish.  
Or  
(b) How Phenyl and mothballs are prepared?

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PART C — (5 × 8 = 40 marks)

Answer ALL questions choosing either (a) or (b).  
Each answer should not exceed 600 words.

16. (a) Explain the cleaning action of soap.  
Or  
(b) What are advantages of detergents over soaps?
17. (a) Explain the role of nitrogen, potassium on plant growth.  
Or  
(b) Give the uses and composition of the following:  
(i) Triple super phosphate  
(ii) Urea.
18. (a) Write a note on the following:  
(i) Terrylene  
(ii) Nylon  
Or  
(b) Explain the uses of the following rubber:  
(i) Neoprene  
(ii) Butyl rubber

19. (a) Write a note on sedatives and analgesics.  
Or  
(b) Explain about mouth wash and antiseptics.
20. (a) How are the following prepared:  
(i) Tooth powder  
(ii) Tooth paste.  
Or  
(b) How Agarbathis and writing inns are prepared?