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I Semester B.Sc. Degree Examination, February/March - 2024

CHEMISTRY**Chemistry in Daily Life****(NEP CBCS Scheme)****Paper : OE-I****Time : 2½ Hours****Maximum Marks : 60****Instructions to Candidates:**

1. Question paper has Three Parts.
2. Answer All the Parts.

PART - A**I. Answer any FIVE of the following questions. Each question carries 2 marks. (5×2=10)**

1. Name the Proteins Present in milk.
2. What are food additives?
3. Define rancidity?
4. Oils are liquids at room temperature. Explain.
5. Name any Two renewable energy sources.
6. What is condensation Polymerization?
7. Mention any two milk products.

PART - B**II. Answer any FOUR of the following questions. Each question carries 5 marks.****(4×5=20)**

8. a) What are food colourants? Give an example.
b) What are edible oils? Give an example. **(3+2)**
9. a) Distinguish between soaps and detergents.
b) Explain Halphen's Test. **(3+2)**

[P.T.O.]



10. a) Mention the source and deficiency symptoms of vitamin-k.
b) What are food adulterants? (3+2)
11. a) Briefly explain the estimation of added water in milk.
b) Name any two flavoring agents. (3+2)
12. a) Write any three characteristics of a good battery.
b) Give any two examples for synthetic polymers. (3+2)
13. a) What are biopolymers? Give an example.
b) Mention the advantages of fuel cell. (3+2)

PART - C

III. Answer any THREE of the following questions. Each question carries 10 marks.
(3×10=30)

14. a) What are non-calorific sweetening agents? Give two examples.
b) Write a note on non-permitted colours.
c) How do you detect the presence of chicory in coffee powder. (4+4+2)
15. a) What are food Preservatives? Give any two examples.
b) Mention the raw materials used in the manufacture soft soaps.
c) Name the important minerals present in milk (4+4+2)
16. a) Give the importance and mention the deficiency symptoms of vitamin-D.
b) What are saturated and unsaturated fatty acids? Give an example for each.
c) Mention any two biological functions of Vitamin - E. (4+4+2)
17. a) What are photovoltaic cells? Give its importance.
b) Write any four applications of plastics in medical field.
c) What are primary batteries? (4+4+2)
18. a) Write a note on plastic recycling.
b) Give any two applications of secondary batteries.
c) Mention any two important sources of Vitamin - A. (4+4+2)
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