



OECH111

Reg. No.

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I Semester B.Sc. Degree Examination, May/June - 2022

CHEMISTRY
Chemistry in Daily Life
(NEP CBCS Scheme)
Paper : OE-I

Time : 2½ Hours

Instructions to Candidates:

Question paper has three parts. Answer all the parts.

Maximum Marks : 60

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PART - A

(5×2=10)

Answer any **Five** of the following. Each carries **Two** marks.

1. What are food adulterants? Give an example.
2. Mention the carbohydrates present in milk.
3. What are Biopolymers? Give an example.
4. Mention any two functions of vitamin - E.
5. Name any two fatty acids present in oils.
6. What are secondary batteries? Give an example.

PART - B

(4×5=20)

Answer any **Four** of the following questions. Each carries **Five** marks.

7. a) Classify the following into fat soluble and water soluble vitamins. Vitamins - A, B, C, D, E and K.
b) Name the vitamin present in Citrus fruits. Write its chemical name. (3+2)
8. a) Write a note on adulteration of oils.
b) What are detergents? (3+2)
9. a) What are artificial food colourants? Give two examples.
b) What is MSG? Mention its side effects. (3+2)

[P.T.O.]



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10. Mention the minerals and proteins present in milk.
11. a) Name any three non - conventional energy sources.
b) Give any two examples for synthetic polymers. (3+2)
12. a) What are Batteries? Give any two applications.
b) What are the advantages of solar energy. (3+2)

PART - C

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Answer any **Three** of the following. (3×10=30)

13. a) What are artificial sweetening agents? Give two examples.
b) How do you detect the presence of chicory in commercial sample of coffee.
c) What are food preservatives? Give an example. (4+3+3)
14. a) What are food contaminants? Give two examples.
b) How do you detect the presence of Argemone oil in edible oil?
c) Give the importance and mention the deficiency symptoms of vitamin - A and D. (3+3+4)
15. a) What is rancidity of oils and fats? How is it prevented?
b) What are food additives? Give two examples.
c) Toilet soaps are soft while washing soaps are hard give reason. (4+4+2)
16. a) What are photovoltaic cells? Give its importance.
b) Give the applications of plastics in automobile and medical field.
c) Give two examples for non renewable source of energy. (4+4+2)
17. a) Explain.
1. Addition polymerisation.
2. Condensation polymerisation with example.
b) Write a note on eco-friendly polymers.
c) What are fuel cells? (4+4+2)