



**B.Sc. I Semester Degree Examination, March/April - 2023**

**CHEMISTRY**

**OEC-1 : Chemistry In Daily Life**

**(NEP)**

Time : 2 Hours

Maximum Marks : 60

**Note :** Answer **all** sections.

**SECTION - A**

Answer the following sub-questions. Each sub question carries **One** mark. **10x1=10**

1. (a) Mention the composition of Milk.
- (b) Give an example for Dairy products.
- (c) Mention one example for Flavour.
- (d) Give an example for Artificial sweetener.
- (e) Name the disease caused by deficiency of Vitamin C.
- (f) Write one use of detergent.
- (g) Define fuel cell.
- (h) What is primary battery ?
- (i) What is meant by Malnutrition ?
- (j) Give an example for polymer.

**SECTION - B**

Answer **any four** of the following questions. Each question carries **five** marks.

2. Explain the analysis of fat content in milk. **4x5=20**
3. Explain the terms with examples.
  - (a) Adulterants
  - (b) Contaminants
4. Mention the sources of Vitamin B1 and Vitamin C.



5. What are batteries ? Explain the classification of batteries with examples.
6. Define polymer. Explain the classification of polymers.
7. Write a note on Artificial sweeteners.

### SECTION - C

Answer **any three** of the following questions. Each question carries **ten** marks.

**3x10=30**

8. (a) Explain the analysis of minerals in milk and butter. **6**  
(b) Explain the determination of methyl alcohol in alcoholic beverages. **4**
9. (a) Explain the analysis of pesticide residue in food. **6**  
(b) Write a note on Food preservatives. **4**
10. (a) Write the composition of edible oil. Explain the rancidity of oils and fats. **6**  
(b) Mention the composition and uses of soaps and detergents. **4**
11. (a) Explain principle and applications of Primary and Secondary batteries. **6**  
(b) Write a note on renewable energy sources. **4**
12. (a) Explain the requirements of balanced and nutritious food. **6**  
(b) Mention the applications of polymer. **4**

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