QP Code: D154416

Total Pages: 01

Name: _____

Register No: _____

FIFTH SEMESTER (CUFYUGP) DEGREE EXAMINATION, NOVEMBER 2026

CHEMISTRY

CHE5FS112- CHEMISTRY IN EVERYDAY LIFE

2024 Admission onwards

Time : 1.5 Hours

Maximum Marks : 50

Section A

All Questions can be answered. Each Question carries 2 marks (Ceiling : 16 Marks)

1	What are the major chemical constituents of milk?
2	Define standardization of milk with respect to fat content.
3	Name the method used for estimation of added water in milk.
4	Define food additive.
5	Give two examples of antioxidants used in food.
6	What is meant by an anti-caking agent? Give an example.
7	Define polymer and monomer.
8	Differentiate between thermoplastics and thermosetting polymers (one line each).
9	What is meant by biodegradable polymer?
10	Define a primary battery with one example.

Section B

All Questions can be answered. Each Question carries 6 marks (Ceiling : 24 Marks)

11	Explain the Gerber method for estimation of fat content in milk.
12	Describe the analytical method used for detection of chicory in coffee powder.
13	Explain the classification of food additives with suitable examples for each class.
14	Discuss the applications of polymers in the automobile and electronics industries.
15	Explain the principle and working of a fuel cell with a labelled diagram.

Section C

Answer any ONE. Each Question carries 10 marks (1x10=10 Marks)

16	Give a detailed account of the composition of milk and describe the analytical procedures used to assess its quality (fat content, mineral content, and detection of added water).
17	Discuss in detail the classification and characteristics of polymers, and critically evaluate the strategies adopted for the development of environment-friendly polymers to address the problem of plastic waste.