

Term End External Examination 1<sup>st</sup> Semester (Session-Feb 2025)

Subject: Multidisciplinary Course

Course No and Title: CHM022I/ Chemistry in Everyday Life

Time: 1.15 hours                      Max Marks:50                      Min. Marks:20

Section A: Objective Type Questions

**Q1. Choose the appropriate Answer:** (4x1.5=06)

i. Which type of pesticide is known to disrupt the nervous system of insects?

- A Fungicides                      B Rodenticides  
C Herbicides                      D Organophosphates

ii. Which of the following is a type of fungicide?

- A DDT                                  B Mancozeb  
C Glyphosate                      D Ammonia

iii. Name one indoor pollutant that comes from furniture or carpets.

- A Carbon monoxide              B Lead  
C Formaldehyde                  D Sulfur dioxide

iv. Which of the following pollutants is regulated under the Air Pollution Act, 1981?

- A Carbon dioxide                  B Oxygen  
C Particulate matter              D Nitrogen

Section-B: Descriptive Type Questions (Short Type)

**Q2: Answer all the Questions** (4 x 4 =16)

- i. Write a short note on botanical pesticides with examples.
- ii. Give a classification of fungicides with examples.
- iii. What are the transport mechanisms of indoor air pollutants?
- iv. What are some natural methods for improving indoor air quality without using advanced technologies?

Section – C: Descriptive Type Questions (Medium Type)

**Answer all the questions:** (2 x 7=14)

**Q3.** Explain the significance of physical and chemical properties of pesticide on its mode of action, degradation and efficacy.

**OR**

Describe the environmental and ecological consequences of fungicide overuse in agriculture.

**Q4.** Discuss various sources of indoor air pollutants in residential and commercial buildings.

**OR**

What are different types of indoor air pollutants? Discuss their impact on human health.

Section – D: Descriptive Type Questions (Long Type)

**Answer any one of the following:** (1 x 14=15)

**Q5.** Describe the Classification of pesticides on the basis of use and chemical nature. Discuss the effect of pesticides on microbes and aquatic system.

**Q6.** Define Indoor air pollution. Discuss different types of air purification technologies used for indoor pollution control.