End Semester Examination 2026

Multi Disciplinary Course

Second Semester

Paper- Natural and Physical Sciences in Everyday Life (MDC)

Paper Code- MDC II

Total Marks- 45 **Time- 2 hours**

A. Answer the following questions: **1 x 5 = 5**

1. Acid rain is caused due to oxides of:
   (a) Carbon (b) Sulphur and Nitrogen (c) Phosphorus (d) Calcium
2. BOD in water pollution stands for:
   (a) Biological Oxygen Demand
   (b) Biochemical Oxygen Demand
   (c) Basic Oxygen Deficit
   (d) None
3. Which vitamin deficiency causes scurvy?
   (a) Vitamin A (b) Vitamin B (c) Vitamin C (d) Vitamin K
4. Which of these is an example of germicide?
   (a) DDT (b) Phenol (c) Urea (d) Aspirin
5. What is the nature of most enzymes?
   (a) Lipid (b) Protein (c) Carbohydrate (d) Vitamin

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B. Answer the following questions (**any five**): **2 x 5=10**

1. Mention two functions of proteins in human body.
2. What is the cause of greenhouse effect?
3. What is meant by renewable energy? Give one example.
4. Define colloid with one example from daily life.
5. Write two harmful effects of heavy metal poisoning.
6. Define corrosion. Give one example.
7. What are germicides? Name one commonly used germicide.
8. Name two fat-soluble vitamins.
9. What is a fuel cell?
10. What are preservatives? Name one used in food.

C. Answer the following questions (**any four**): **5 x 4 = 20**

1. What are biodegradable and non-biodegradable plastics? How can plastic waste be managed?
2. Describe different methods of purification of water. Explain why potable water is essential.

3. What are the causes and effects of water pollution? Suggest two preventive measures.
4. What are pesticides? Discuss their benefits and harmful effects on human health.
5. Write a short note on nuclear energy. Mention its advantages and disadvantages.
6. Differentiate between true solution, colloid, and suspension with examples.
7. Discuss the causes and harmful effects of acid rain. How can it be controlled?
8. Explain the process of wastewater treatment. Why is it necessary?

D. Answer the following questions (**any one**): **1 x 10 = 10**

1. What is global warming? Explain the causes, consequences, and measures to control it.
2. Explain the role of chemistry in everyday life with reference to food, medicines, and materials like cement, glass, and soaps.
3. Discuss the importance of vitamins and minerals in human nutrition. Explain deficiency diseases caused by lack of Vitamin A, C, D and Iron.
4. Explain the application of natural and physical sciences in daily life with reference to materials, energy, and environmental protection.

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