

B A, B SC, B COM DEGREE END SEMESTER EXAMINATION - APRIL 2025**UGP (HONS.) SEMESTER - 2: MULTI DISCIPLINARY COURSE****COURSE: 24UCHEMDC102: ENVIRONMENTAL CHEMISTRY***(For Regular 2024 Admission)*

Time: 1 Hours

Max. Marks - 35

PART A**One Word Questions**(Answer **all** questions. Each question carries **1** Marks)**(1x14 = 14 marks)**

1. Name the material used in traditional drip irrigation. (U, CO 1)
2. Which indigenous breed is popular for its resilience? (R, CO 1)
3. Which spice aids in wound healing due to antiseptic properties? (R, CO 1)
4. What cropping method improves soil fertility by alternating crops? (R, CO 1)
5. What type of forest product includes items like fruits, honey, and medicinal plants? (U, CO 2)
6. Which non-renewable energy source is a major cause of greenhouse gas emissions? (U, CO 2)
7. Which country is a leading producer of iron ore and bauxite? (R, CO 2)
8. Smog is the combination of smoke and -----? (R, CO 3)
9. What is Biological Oxygen Demand (BOD)? (R, CO 3)
10. The process by which toxic substances, such as heavy metals and pesticides, increase in concentration as they move up the food chain is known as---? (U, CO 3)
11. Write any one control measure to prevent industrial waste. (R, CO 3)
12. Polyethene is biodegradable..... True or false? (R, CO 4)
13. An example of green solvent is
(a) Water (b) Petrol (c) Nitric acid (R, CO 4)
14. Which acidic compound is formed when sulfur dioxide reacts with Water in the atmosphere? (R, CO4)

PART B**Short Essay Questions**(Answer any **one** question. Each question carries **6** Marks)**(1x6= 6 marks)**

15. What are some common traditional water-harvesting methods? (U, CO 1)
16. Brief any six principles of green chemistry. (U, CO 4)

PART C**Long Essay Questions**(Answer any **one** questions. Each question carries **15** Marks)**(1x15 = 15 marks)**

17. What are the different effects of world food problems, agricultural changes, and modern agriculture, and fertilizer usage on food security? (R, CO 2)
18. (A) Briefly explain the causes, consequences, and prevention of the following
(1) Acid rain (2) Smog (3) Greenhouse effect
(B) Explain Eutrophication and Biomagnification. (U, CO3)