

RANI RASHMONI GREEN UNIVERSITY

M.Sc. Fourth Semester Examination, 2025

Subject: NUTRITION AND PUBLIC HEALTH

COURSE CODE: GNPHT-42

(UNIT-1: ENVIRONMENTAL BIOLOGY;

UNIT-2: ENVIRONMENTAL HEALTH)

Time: 2hrs

FM=40

Answer any 3 from each unit and two from any unit of your choice from the following questions:

8×5=40

Unit:1

1. Describe the steps of nitrogen cycle. 5
2. Describe the concept of ecological succession? 5
3. What is 'carrying capacity'? Explain the concept of 'r' and 'k' species. 2+3
4. Explain the concept of environmental stress with example. 5
5. Explain the term bio accumulation and bio magnification. 2.5+2.5
6. Write short notes on any two of the following: 2.5×2
 - a) Keystone species
 - b) Predation
 - c) Eco tone
 - d) Niche

Unit2

7. What is vibration? What is the unit of vibration? How is vibration measured?
Briefly state the health impact of vibration. 1+1+1+2
8. What is PPE? Name one PPE for noise. State the physiological effects of noise. 1+1+3
9. What is Leq? What is the importance of Leq in sound pollution? 2+3
10. What are different types of noise? Explain with example. 5
11. Write a note on impact of agricultural chemicals on human health. 2+3
12. Write short notes on any two of the following: 2.5×2
 - a) VOC
 - b) Leq
 - c) DO
 - d) COD