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PG/IIS/PHY/202/25

M. Sc. 2nd Semester Examination, 2025

HUMAN PHYSIOLOGY

*(Community Health : Environmental Pollution,
Toxicology and Management)*

PAPER — PHY-202

Full Marks : 25

Time : 1 hour

Answer all questions

The figures in the right hand margin indicate marks

*Candidates are required to give their answers in
their own words as far as practicable*

GROUP—A

Answer any two questions from the following :

1. What is 'Predation' ?

2 × 2

2

(Turn Over)

(2)

2. What is food chain ? Give example. 1 + 1
3. What do you mean by biotransformation reaction ? 2
4. What is biosphere reserve ? 2

GROUP - B

Answer any two questions from the following :

2 × 4

5. With suitable examples, discuss the influence of abiotic factors on species survival. What is tolerance range ? 3 + 1
6. What are the direct and indirect actions of ionizing radiation ? How does 'Rate of Absorption' act as a determinant of ionizing radiation hazards ? $\left(1\frac{1}{2} + 1\frac{1}{2}\right) + 1$
7. What is organic mercury ? State the mechanism of toxicity of organic mercury. 1 + 3

(3)

8. Write down the methods used for handling hazardous waste. What is vermicomposting ?
2 + 2

GROUP—C

Answer any one question from the following :

8 × 1

9. Mention the source of CO. Why is CO poisoning so deadly ? Discuss critically the pathophysiology of CO poisoning. 2 + 2 + 4
10. What is IUCN Red list ? Name two National Parks in India. What do you understand by in-situ conservation of biodiversity ? 1 + 2 + 5

[Internal Assessment — 05 Marks]

