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DEPARTMENT OF PHYSIOTHERAPY
SCHOOL OF NURSING SCIENCES & ALLIED HEALTH

BPT 1st YEAR, ANNUAL EXAMINATION, MAY 2023

ENVIRONMENTAL SCIENCES (THEORY)

PAPER CODE: BPT – 170

Time: 3 hours

Maximum Marks: 75

(Write your Roll No. on top of the paper immediately)

SECTION – A

Multiple choice Questions (All are compulsory)

(1 × 15 Marks = 15 Marks)

Explain the following in not more than half page:

1. Full form of BSI & CITES.
2. Algal bloom
3. Name the gas released during Bhopal gas tragedy in 1984?
4. Where is Sariska Tiger Reserve located?
5. What is eutrophication?
6. Which ecological pyramid is always upright?
7. 3R principle
8. Keystone species
9. Who wrote the famous "Book of Indian birds"?
10. Name any one medicinal plant along with the drug derived from it.
11. Name any 2 non-renewable natural resources.
12. The Sardar Sarovar dam is built on which river?
13. Geothermal energy
14. When is World Earth Day celebrated?
15. Which gas is used for cryopreservation of seeds?

SECTION - B

Answer any **THREE** of the following:

(3 × 10 Marks = 30 Marks)

- Q1. Hydroelectric power is a renewable energy resource. How is it generated? Discuss about its pros and cons.
- Q2. Explain the concept of thermal stratification of aquatic ecosystem with well labelled diagram.
- Q3. What are the various goods and services provided by a forest ecosystem?
- Q4. Write short notes on any 2 of the following:
1. Concept of energy flow in an ecosystem. (5)
 2. Wasteland reclamation. (5)
 3. Negative impact of ozone layer depletion. (5)

SECTION - C

Answer any **TWO** of the following:

(2 × 15 Marks = 30 Marks)

- Q1. What are mineral resources? Differentiate between minerals and ores with an example. How minerals are extracted and what are the problems associated with mining? (2+4+4+5 = 15)
- Q2. What are primary and secondary pollutants? How does air pollution affect plants and animals? Mention any 3 control measures for air pollution. (4+5+6 = 15)
- Q3. What are biodiversity hotspots? 4 of the world's 36 hotspots are in India. Name all 4 of them. What are the various threats to biodiversity? (3+4+8 = 15)
