

O. P. JINDAL SCHOOL, SAVITRI NAGAR

Periodic Test –III (Round-I) 2025 – 2026

Class: XII

Subject: Biology(044)

MM: 20

Time: 01 Hr.

General Instructions:

- *Question paper contains 03 Sections (Section – A, Section – B, Section – C)*
 - *Section A – Multiple Choice Questions (MCQ's) carries 01 mark each.*
 - *Section B – Very Short Answer Type Questions carries 02 marks each.*
 - *Section C – Short Answer Type Questions carries 03 marks each.*
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Section – A

Q1. Which utilitarian states that biodiversity is important for many ecosystem services that nature provides?

- a) Narrowly utilitarian b) Broadly utilitarian
- c) Big utilitarian d) Small utilitarian

Q2. What is the percolation of the soluble substances formed due to decomposition called?

- a) Humification b) Leaching
- c) Mineralization d) Catabolism

Q3. What is the process of release of inorganic substances both minerals and non-minerals from organic matter called?

- a) Fragmentation b) Mineralization
- c) Humification d) Leaching

Q4. What does decomposition depend on?

- a) Oxygen b) Nitrogen
- c) Ammonia d) Carbon monoxide

Q5. For what reason is the conservation of natural resources important?

- a) Maintaining the ecological processes b) Disturbing the ecological balance
- c) Extinction of biological species d) Disruption of quality of the environment

Q6. What is the correct full form of IUCN?

- a) International Union for Conservation of Nuts
- b) International Union for Conservation of Nature
- c) International Union for Conservation of Natural habitat
- d) International Union for Conservation of Numbers

Section-B

Q7. Amazon rainforest is referred to as the lungs of planet. Mention any one human activity which causes loss of biodiversity in this region.

Q8. Mention any two reasons, why the primary productivity varies in different types of ecosystems.

Q9. Why the pyramid of energy is always upright? Explain.

Q10. What is meant by alien species invasion? Name one plant and one animal alien species that are a threat to our Indian native species. .

Or

How does overexploitation of beneficial species affect biodiversity? Explain with the help of one example .

Section-C

Q11. Explain the levels of biodiversity at genetic, specific and ecological levels with the help of one example each.

Q12. (i) What is a trophic level in an ecosystem ?

(ii) Explain the role of the 'first trophic level' in an ecosystem.

(iii) How is the detritus food chain connected with the grazing food chain in a natural ecosystem?
