

# **G R E E N** Olympiad

## Sample Paper Level – IV (Classes 11 & 12)

### Section-A: Environment & Sustainable Development

1. Which term is used to describe a type of pollination whereby pollen of plants is distributed by insects?
  - a. Hydrophily
  - b. Zoophily
  - c. Entomophily
  - d. Anemophily
  
2. Which crop is immersed in water during its growing period, leading to the emission of large quantities of methane into the atmosphere?
  - a. Wheat
  - b. Maize
  - c. Rice
  - d. Barley
  
3. Thomas Malthus introduced a term to define the maximum population size our environment can sustain indefinitely. What is the term?
  - a. Carbon footprint
  - b. Carrying capacity
  - c. Ecological footprint
  - d. None of the listed options
  
4. Considering the current pattern of over-consumption, individuals living in developed countries have, in general, \_\_\_\_\_ ecological footprint than those living in the developing world.
  - a. a lesser
  - b. a higher
  - c. more or less the same
  - d. exactly proportionate
  
5. The giant panda and the distantly related red panda share characteristics of both bears and the raccoon. Of these two, which is found in India in its natural habitat?
  - a. Giant panda

- b. Red panda
  - c. Both
  - d. None of the listed options
6. Established in 1972, and with its headquarter in Bonn, Germany, The International Federation of Organic Agriculture Movements (IFOAM - Organics International) is the worldwide umbrella organization for the \_\_\_\_\_ movement, which represents close to 800 affiliates in 117 countries.
- a. Organic agriculture
  - b. Monocrop culture
  - c. Synthetic agriculture
  - d. GMO agriculture
7. Certified organic products cannot contain genetically engineered ingredients because the latter are manipulated in a lab. What is a GMO?
- a. Genetically modified organisms
  - b. Genetically mutated organisms
  - c. General mutagenic organisms
  - d. Generated modified organisms
8. An area is notified as a National Park based on its ecological, faunal, floral, geomorphological, or zoological association or importance, needed to for the purpose of protecting & propagating or developing wildlife therein or its environment. Which is the first National Park of India, earlier known as Hailey National Park?
- a. Hazaribagh National Park
  - b. Keoladeo National Park
  - c. Corbett National Park
  - d. Bandipur National Park
9. Which pesticide is banned by India for agricultural spraying but is used against malaria?
- a. DDT
  - b. Endosulphan
  - c. Malathion
  - d. Pyrethrin

10. Did you know that a beach in Odisha, India serves as a nesting site for turtles in mass numbers? Females of this species return to the same beach from where they hatched, to lay their eggs. They lay their eggs in conical nests about one and a half feet deep, which they laboriously dig with their hind flippers. Gahirmatha, located along the northern Orissa coast, hosts the largest known nesting concentration of which of these turtle species?
- a. Loggerhead turtle
  - b. Olive Ridley turtle
  - c. Great Indian Bustard
  - d. Mugger crocodile

### Section-B: Green Skills

11. As a new concept to reduce waste water generation, a system is constructed in green buildings to re-treat it and re-utilize the same for secondary purposes. What is the term used for people involved in planning and construction of such a system?
- a. Water treatment workers
  - b. Waste treatment workers
  - c. Green building workers
  - d. Waste Water Treatment Workers
12. With the rising problem of scarcity of water, the need to build rain water pits is increasing. There are specific cadre of people who are specialized to lay the plan and construct rain water harvesting systems (RWHS) for collecting rain water and reusing it in buildings. What are these people called?
- a. Electrical engineers
  - b. Mechanical engineers
  - c. Rain Water Harvesting Engineers
  - d. Renewable energy engineers

### Answer Key

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|-----|------|
| 1-c | 7-a  |
| 2-c | 8-c  |
| 3-b | 9-a  |
| 4-b | 10-b |
| 5-b | 11-d |
| 6-a | 12-c |