

## GREEN OLYMPIAD

### Sample Paper Level – III (Classes 9 & 10) Theme: Environment & Sustainable Development

1. Which one of the following global agreements aims to conserve migratory species of wild animals?
  - a. Ramsar Convention
  - b. Cartagena Protocol
  - c. Bonn Convention
  - d. Vienna Convention
2. Fluorinated gases such as hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulphur hexafluoride (SF<sub>6</sub>), and nitrogen trifluoride (NF<sub>3</sub>) also contribute to greenhouse effect. What are fluorinated gases?
  - a. Man-made gases
  - b. Non greenhouse gases
  - c. Are a family of gases containing fluorine
  - d. Both a & c
3. Which branch under entomology deals with the scientific study of butterflies and moths?
  - a. Scientology
  - b. Apiology
  - c. Lepidopterology
  - d. Anthropology
4. When rainwater comes in contact with the dry earth (containing a certain bacteria) it lets out a pleasant earthy odour. Which word is used to describe “this pleasant smell of rain”?
  - a. Nectar
  - b. Petrichor
  - c. Ambrosia
  - d. Dust
5. The Jog Falls located in Karnataka is one of the highest plunge waterfalls in India. Which river creates Jog Falls? Olympiad
  - a. Sharavathi
  - b. Mandavi
  - c. Kalinadi
  - d. Gangavalli

6. 'Limnology' is a study of inland bodies of water and related ecosystems. Limnology divides lakes into three zones: littoral, photic, and profundal. Which of the following zones receives the least light?
  - a. Photic zone
  - b. Profundal zone
  - c. Littoral zone
  - d. Limnetic zone
  
7. The term 'smog' was first used in 1905 to describe the conditions of fog that contained soot or smoke in it. Smog is basically a combination of various gases with water vapour and dust. Which of the following persons used the word 'smog' for the first time?
  - a. H A Des Voeux
  - b. Oscar Auerbach
  - c. Robert O Becker
  - d. Robert M Jacobson
  
8. A "sink hole" is a natural depression or hole in the Earth's surface underlain with soluble rocks. It may be referred to as a collapse of the ground into a void below caused by which one of the following?
  - a. Tunnelling
  - b. Water
  - c. Volcano
  - d. Earthquake
  
9. This book written by former US Vice President Al Gore in 2009 is the sequel to his famous documentary and book An Inconvenient Truth. Name the book.
  - a. Our Choice: A Plan to Solve the Climate Crisis
  - b. Earth in the Balance
  - c. The Riverkeepers
  - d. Climate Capitalism
  
10. This indicator is a measure of human demands on the Earth's ecosystems. It represents the amount of biologically productive land and sea area necessary to supply the resources a human population consumes, and to assimilate associated waste. Identify the term given to this indicator.
  - a. Population footprint
  - b. Growth footprint
  - c. Sustainable footprint
  - d. Ecological footprint

### Theme: Green Skills

11. Technical skills, knowledge, values and attitudes needed in the workforce to develop and support sustainable social, economic and environmental outcomes in business, industry and the community are termed as?
  - a. Entrepreneurial Skills
  - b. Green Skills
  - c. Self-management Skills
  - d. Information and Communication Technology Skills
  
12. The core skills identified as necessary for the green worker, include which of the following?
  - a. Environmental awareness
  - b. Willingness to learn about sustainable development
  - c. Decision-making ability
  - d. All of the above
  
13. The core skills identified as necessary for the green worker include which of the following?
  - a. Environmental awareness
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  - d. All options listed here
  
14. \_\_\_\_\_ is the activity of consciously addressing environmental and social problems and needs, and coming up with brilliant innovative entrepreneurial ideas that will bring a solution to them.
  - a. Green entrepreneurship
  - b. Tech-entrepreneurship
  - c. Eco-entrepreneurship
  - d. Social entrepreneurship
  
15. Based on climatic requirements, which of the following vegetables fall under the category of temperate vegetables?
  - a. Radish
  - b. Potato
  - c. Carrot
  - d. All options listed here

## **Answer Key**

1-c

2-c

3-c

4-b

5-a

6-b

7-a

8-b

9-a

10-d

11-b

12-d

13-d

14-a

15-d