

# GREENLAWNS SCHOOL, WORLI

TERMINAL EXAMINATION – 2017

## ENVIRONMENTAL SCIENCE

Std: IX

Date: 26/09/2017

Marks: 80

Time: 2hrs

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Answers to this Paper must be written on the paper provided separately. You will not be allowed to write during the **first 10 minutes**. This time is to be spent in reading the question paper. The time given at the head of this Paper is the time allowed for writing the answers.

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Attempt **all** questions from **Section A** and **any four** questions from **Section B**.  
The intended marks for questions or parts of questions are given in brackets [ ].

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### **SECTION A (40Marks)**

Attempt **all** questions from this section.

#### **QUESTION 1.**

- a. What are the objectives of sustainable development? [2]
- b. Define 'Greenhouse Effect' [2]
- c. List any two advantages of carbon cycle. [2]
- d. State the functional aspect of the ecosystem. [2]
- e. Mention any two features of the temperate forest. [2]

#### **QUESTION 2.**

- a. List any two natural causes that are responsible for extinction of species. [2]
- b. What is ground water? Give an example. [2]
- c. How do autotrophs differ from heterotrophs? [2]
- d. How does eutrophication affect aquatic life? [2]
- e. What is an ecological pyramid? [2]

#### **QUESTION 3.**

- a. Define 'Biogeochemical cycle' [2]
- b. What is the role of decomposers in the forest ecosystem? [2]
- c. Name any two zones of the pond ecosystem. [2]
- d. Why are polar caps melting? [2]
- e. Name any two substances that cause ozone depletion. [2]

#### **QUESTION 4.**

- a. How does the climate of a place influence the ecosystem? [2]
- b. What is Eris? Where is it found? [2]
- c. Name the main island of India. Where are they located? [2]
- d. What are coral reefs? [2]
- e. Mention any two benefits of a water cycle. [2]

**SECTION B (40 Marks)**

Answer **any four** questions from this Section.

**QUESTION 5.**

- a. Explain "Climate change is the single biggest environmental and humanitarian crisis of our times." [5]
- b. Why is nitrogen an important element in living organism? [5]

**QUESTION 6.**

- a. Describe the various trophic levels in the food chain. [5]
- b. Write a short note on 'The Trans- Himalayan Zone'. [5]

**QUESTION 7.**

- a. "Forest is complex ecosystem consisting of a large number of flora and fauna." State any five features of a forest ecosystem. [5]
- b. Why is ozone depletion a reason for concern at the global level? [5]

**QUESTION 8.**

- a. What are wet lands? State any three advantages of wet lands. [5]
- b. "Water is an important natural resource." What personal goals should we set for ourselves to conserve water? [5]

**QUESTION 9.**

- a. Mention the chief sources of greenhouse gases around the globe. [5]
- b. "Water harvesting refers to the optimum use of rainwater at the place where it falls." Name the various traditional water harvesting systems of Rajasthan. [5]

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