

**GREENLAWNS HIGH SCHOOL
PRELIMINARY EXAMINATION YEAR 2017-18**

**SUBJECT: ENVIRONMENTAL SCIENCE
TIME: 2 HOURS**

**CLASS :X
MARKS: 80**

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.

SECTION A (40 Marks)

Q.I.

[10]

- a) How does contour farming act as a technique to control erosion? (2 points)
- b) Explain Activated sludge process.
- c) Mention *four* features of social mobilization.
- d) What are the factors responsible for population explosion? (Any 4)
- e) What are the effects of Asia Brown Haze? (Any 4)

Q.II.

[10]

- a) How does a Wet scrubber works as a measure to control air pollution? (2points)
- b) What does GBCF stands for? Mention *any two* benefits of GBCF?
- c) How do multinationals prove beneficial to developing countries? (4 points)
- d) Give *any four* advantages of biodiesel.
- e) Differentiate between In – situ conservation and Ex – situ conversation.(Any 2)

Q.III.

[10]

- a) Give *any four* impacts of slum development.
- b) Explain *any two* causes of land pollution.
- c) Explain *any two* methods of Silviculture.
- d) Give *any two* disadvantages of Integrated pest management.
- e) Mention the *four* issues addressed under the Earth Summit.

Q.IV.

[10]

- a) Give *two* advantages and *two* disadvantages of Electrostatic precipitator.
- b) Discuss *any four* effects of Smog.
- c) What steps should be taken by sustainable city to protect the environment?
(Any 4)
- d) Mention *any two* environmental damages caused due to large farm units.
- e) Give *any four* disadvantages of open dumping.

SECTION B (60 Marks)

- Q.V.** [10]
- Discuss the problems of solid waste management in India. (Any 6) (3)
 - What is green manure? Give *two* examples. Mention *any four* advantages of green manure. (4)
 - Enumerate *any three* objectives of UN's International Conference on Population and Development. (3)
- Q.VI.** [10]
- What is Gene bank? Mention *any four* objectives of Gene bank. (3)
 - Mention *any four* causes and *any four* effects of deforestation. (4)
 - What are bunds? Give *any four* benefits of bunds as erosion control technique. (3)
- Q.VII.** [10]
- Name and Explain *any two* sources of air pollution on the basis of:
 - Sources of origin
 - State of matter(4)
 - Write *four* effects of burning fuel wood on the health of rural women. (4)
 - Write *any four* measures that can be adopted to strengthen rural-urban linkage. (2)
- Q.VIII** [10]
- Discuss *any six* economic measures taken by government to overcome the Vehicular pollution. (3)
 - Enumerate *any six* effects of land pollution. (3)
 - Write about the impact of Green revolution on environment. (Any 4) (4)
- Q.IX** [10]
- Discuss *any five* strategies that can be adopted to control population. (5)
 - Write a short note on Chernobyl disaster on the basis of date, place, one cause, two effects. (5)
- Q.X** [10]
- "Developing countries are responsible for global environmental pollution". Justify giving four points (4)
 - Explain *any four* steps taken towards developing secondary cities (2)
 - Discuss *any four* steps that can be taken to solve problem of water disposal and treatment. (4)