

PG DIPLOMA IN ENVIRONMENTAL MONITORING AND IMPACT ASSESSMENT

ANNUAL EXAMINATION-2010

Paper No : PGDEMIA-104
Environmental Pollution & Quality Standard

Time: Two and Half Hours

Maximum Marks : 70

Attempt ALL sections.

Section I

Attempt all the objective type questions. Each question carries 1 mark.

(1x10=10)

1. _____ of stratosphere provides protection to our life.

- a. Nitrogen.
- b. Hydrogen.
- c. Ozone
- d. Argon

2. A biosphere reserve conserves and preserves _____.

- a. Wild animal.
- b. Wild land.
- c. Natural vegetation.
- d. All the above.

3. Which of the following events have forced species to adapt to environmental conditions or go extinct?

- a. drastic heating and cooling of the earth
- b. meteorites and asteroids hitting the earth
- c. a and b only
- d. none of the above

4. Ozone occurs in :

- a. Two layers of atmosphere
- b. Four layers of atmosphere
- c. Six layers of atmosphere
- d. Eight layers of the atmosphere

5. Which of the following is not a pollutant :

- a. CO_2
- b. CH_4
- c. CO
- d. NO_2

6. Industrial effluents are :

- a. Plant nutrients
- b. phenol and amines
- c. sand
- d. radioactive material

7. The SPM consists of

- a. mist and smoke
- b. dust and fumes
- c. both a&b
- d. none of the above

8. Minamata disease of Japan was due to high concentration of

- a. arsenic
- b. zinc
- c. mercury
- d. lead

9. In acid rain the pH of water is

- a. 7.0
- b. 14.0
- c. 5.0
- d. all the above

10. Road vehicles emit

- a. CO
- b. HCs
- c. NO_x
- d. all the above

Section II

Attempt any SIX questions. Each question carries 05 marks.

(6x5=30)

1. Define air pollution?
2. Define green house effect?
3. What are the main effects of noise pollution in human beings?
4. Give the reasons for ozone depletion?
5. Differentiate between RSPM and SPM?

6. What do you understand by biomagnifications?
7. Give the measures of controlling water pollution?
8. Define smog?

Section-III

Attempt any three questions. All questions carry 10 marks

(10x3=30)

1. a. Describe various types of air pollutants?
b. What are the major sources of SO₂ and NO₂ pollution?
2. a. Describe the point and non-point source of water pollution?
b. Discuss different water quality criteria for suitability of particular purpose?
3. a. What are the major sources of noise pollution?
b. Give the average noise level in 5 metropolitan cities?
4. a. Differentiate between good and bad ozone?
b. Describe the major sources of green house gases?
5. Write a detailed note on deforestation.