

BARNES SCHOOL AND JUNIOR COLLEGE, DEOLALI

HALF-YEARLY EXAMINATION –2011 ENVIRONMENTAL EDUCATION

CLASS:10

MM: 80

TIME: 2 HRS

Answers to this paper must be written on the paper provided separately.

You will not be allowed to write during the first 15 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.

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

SECTION A (40 MARKS)

Attempt all questions from this Section.

Question 1.

- (a) What are pollutants? [2]
- (b) Name any four GHG's. [2]
- (c) Which was the worst nuclear accident in the history of nuclear power? [2]
- (d) Mention any two technological strategies to reduce air pollution. [2]
- (e) Mention any four effects of El-Nino. [2]

Question 2.

- (a) What are the sources of ODS? [2]
- (b) What do you understand by '*marble cancer*'? [2]
- (c) What is a disaster? [2]
- (d) Name any two ODS. [2]
- (e) What is greenhouse effect? [2]

Question 3.

- (a) Define 'Air Pollution'. [2]
- (b) Mention any two man-made sources of radioactive pollution. [2]
- (c) How do forests maintain climate stability? [2]
- (d) How can proper traffic management curb vehicular pollution? [2]
- (e) How does deforestation lead to desertification? [2]

Question 4.

- (a) Mention any two ills of rapid urbanization? [2]
- (b) Which two greenhouse gases are the most important heat absorbing layers of the atmosphere? [2]
- (c) Name the treaty, under which it was decided to inhibit the production, use and trade of ozone depleting substances. [2]
- (d) What is the effect of excess emission of carbon monoxide in automobile exhaust? [2]
- (e) Mention two ways in which noise pollution in cities can be reduced. [2]

SECTION B (40 MARKS)
(Attempt any four questions from this Section)

Question 5.

- (a) What is eutrophication? Explain its effect on the environment. [4]
- (b) Write short notes on i) Soil Pollution [3]
ii) Water Pollution [3]

Question 6.

- (a) What is Greenhouse Effect? State the consequences of this phenomenon on the environment. [6]
- (b) Explain the formation and effects of acid rain? What is acid shock or spring shock? [4]

Question 7.

- (a) Discuss the control measures and mitigation programme to be adopted in a flood-prone areas. [6]
- (b) Describe the activities that school students can initiate to bring about public awareness on environmental issues. [4]

Question 8.

- (a) Write short notes on :
 - i) Bhopal Gas Tragedy [3]
 - ii) Minamata Disease [3]
- (b) What are the environmental problems associated with the construction of large, multipurpose dams? [4]

Question 9.

- (a) Oil production and its transportation give rise to oil spills that wreak havoc on the surrounding wildlife and habitat. Explain [4]
- (b) Vehicular pollution in cities has become a major nuisance. Suggest six measures to reduce this problem. [6]

Question 10.

- (a) Explain the major impact of climate change. [3]
- (b) What do you mean by rehabilitation of disaster victims? What measures should be undertaken to rehabilitate the victims of disasters? [4]
- (c) Explain with examples how buildings are affected by acid rain? [3]