

STD: X  
SUB: EVS  
TIME: 2 HRS.  
DATE: 10.01.08

LEARNERS' ACADEMY  
BANDRA (WEST) - MUMBAI -400050  
PRELIMINARY EXAM 2007-2008.

ENVIRONMENTAL SCIENCE

M.M. 80

Answer to all questions must be written on the paper provided separately.  
You will not be allowed to write during the first 15 mins, this time is to spent in reading the question paper.

The time given at the head of this paper is the time allowed for writing your answers.  
The question paper is divided into 2 Sections. Section A is compulsory.  
Section B contains 6 question. You are to answer any four

The intended marks for questions or part of question are given in brackets ( )  
Be neat.  
Supplement your answers with examples where ever possible

**SECTION A(40 Marks) COMPULSORY.**

**Question 1.**

- a) Why is competition between two sparies in community common? (2)
- b) What are CF'S? How do they affect the atmosphere ? (2)
- c) When was the Montreal Protocol signed and where? What was its main aim and object? (2)
- d) What do you mean by Bilateral Aid? (2)
- e) Name any 2 low polluting fuels that could be used as a substitute for petrol. (2)
- f) How can we reduce the content of sulphur dioxide that is being released by thermal plants? (2)
- g) Name an important wet land of India. Name one variety of bird that visits it in winter. (2)
- h) Name a natural cleaning agent for air pollution, How does it help to act as a natural cleaning agent? (2)
- i) What are Bio degradable substances? Give two examples of it. (2)
- j) What does UNEP stand for ? What is its main work? (2)
- k) What is meant by Demographic transition? (2)
- l) Give two reasons why death rates have fallen in developed countries (2)
- m) What are the four main causes of poverty? (2)
- n) What is meant by counter urbanization? Give two examples. Why is it necessary to have it? (2)
- o) What is conservation – village farming also known as ? Mention two ways how this method is useful? (3)
- p) State three advantages of mixed cropping. (3)
- q) Explain the term silviculture. Name the two broad groups they are divided into (2)
- r) A sloping hill has been degraded by over grazing tree cutting and soil erosion. State two important steps that can be under taken to regenerate the land. (2)
- s) Name one substitute for wood that is being used in construction. (1)
- t) Name one pesticide banned the world over. But still used extensively In India. (1)

**SECTION B (40 MARKS)**

**Attempt any four from this Section.**

**Question 2.**

Demand for food has increased over the years farmers have devised ingenious techniques for extension of agriculture on land that was otherwise unproductive waste land.

- a) Name and explain three successful techniques for the production of Agriculture used in India. (3)

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- b) Mention the land reforms that have been introduced by the Government in order to help landless labourers and farmers. (5)
- c) What should be the basic approach towards land reforms? (2)

**Question 3.**

Satellite imagery is the best available technology for monitoring global environment.

- a) Explain why this is the best techniques for global surveys of the environment rather than ground surveys. (4)
- b) State four environmental crises that can be monitored from the satellites. (4)
- c) Name two major organizations in India which are involved in remote sensing (2)

**Question 4.**

An increasing population adversely effects the economy of the country and its economic development.

- a) Discuss any four factors responsible to prove that India is an overpopulated country. (4)
- b) Suggest positive successful measures that will assest population growth in India. (6)

**Question 5.**

Bio technology has provided opportunities to increase food production, yet it has several environmental risks.

- a) Discuss the environmental risks related to this issue. (4)
- b) Name four new techniques used in modern biotechnology to produce new crop strains. (2)
- c) How are the many changes that have been introduced to the traditional agricultural practices likely to cause a threat or an environmental damage. (4)

**Question 6.**

The inter relationship between plants and animals and between animals and animals in the sphere of energy production and consumption, results in a definite pattern of several stages of eating and being eaten on the basis of which a tropic structure is built.

- a) How is man responsible for extinction? (4)
- b) Why is it necessary to maintain our wetlands? (6)

**Question 7:**

Air pollution is becoming a wide spread problem for every individual.

- a) Name two major sources of carbon monoxide and Sulphur Dioxide. (3)
- b) What two important steps can be taken to prevent and control each of the above pollution. (3)
- c) Name and explain the two programmes we can suggest for the rural community to meet their requirements without degrading their environment. (4)