

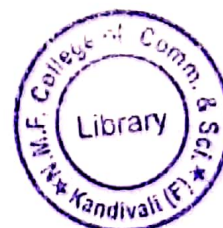
Time: 2½ hrs.

Marks:75

- Note:
1. All questions are compulsory with internal options.
 2. Figures to the right indicate full marks.
 3. Draw neat diagram wherever necessary.

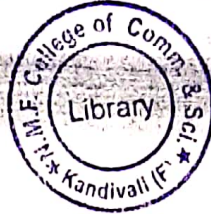
Q. 1 (A) Fill in the blanks with the correct answer from the alternatives given below. (Attempt any 8) (08)

- (1) What is the main reason for melting of ice sheets?
 - a) Increase in the oxygen content
 - b) Global warming
 - c) Decrease in carbon dioxide content
 - d) Noise pollution
- (2) ISO 14000 standards are for the _____.
 - a) Quality management system
 - b) Environmental management system
 - c) Administration
 - d) Supply chain
- (3) Which of the following result is obtain due to cutting down of trees?
 - a) Providing more fresh oxygen
 - b) Providing more pure water
 - c) Cause greenhouse effect
 - d) Cause increase in the rain
- (4) Which one of the following causes global warming?
 - a) Radiative forcing
 - b) Earth gravitation force
 - c) Oxygen
 - d) Centripetal force
- (5) Which is the first environmental management system standard?
 - a) BS 7750
 - b) ISO 9000
 - c) ISO 9001
 - d) ISO 9004
- (6) Which one of the following cause global warming?
 - a) Carbon dioxide
 - b) Oxygen
 - c) Nitrogen
 - d) Hydrogen
- (7) Who measures the global warming rate?
 - a) Astrologers
 - b) Physicist
 - c) Philosopher
 - d) Climatologist
- (8) Which one of the following result takes place due to global warming?
 - a) Maintaining steady temperature
 - b) Changes in the rainfall
 - c) Pleasant environment
 - d) Causing less pollution
- (9) Changes in the composition of the atmosphere is an example of _____.
 - a) Internal forcing
 - b) External forcing
 - c) Mid forcing
 - d) Gravitational forcing



(10) How much percent of carbon dioxide increased in the atmosphere since pre-industrial times?

- a) About 10%
- b) About 20%
- c) About 30%
- d) About 40%



(B) State whether the following statements are true or false. (Attempt any 7) (07)

- (1) Ozone layer is found in thermosphere.
- (2) In an ecosystem; the example of producer is green plant, example of consumer is animal, and example of decomposer is fungi.
- (3) Tropopause and troposphere are the same names.
- (4) Birds and animals are the examples of abiotic environment.
- (5) Hard grasses, reptiles, locusts and camels are found in river ecosystem.
- (6) Herbivores which are primary consumers fall in the level of third trophic level as they depend on primary consumers for their food energy.
- (7) Lithosphere constitutes only 30% of total surface of earth.
- (8) Flora refers to animal life, while fauna refers to botanical life.
- (9) The floating aquatic plants are known as nematode.
- (10) The atmospheric temperature becomes 0°C near stratopause.

Q.2 A. What are biogeochemical cycles? Explain the working mechanism of the water cycle along with its diagrammatic representation. (07)

B. Define water pollution. Discuss the causes, effect and solution to control water pollution. (08)

OR

Q.2 A. Discuss the phenomena of global warming. What are its causes and effects on the living and non-living things? (07)

B. Explain disaster management cycle with the help of a diagram. (08)

Q.3 A. Discuss the issues related with environmental degradation. (07)

B. Explain how carbon bank and kyoto protocol would lead to reduce the carbon footprint in the world. (08)

OR

Q.3 A. What do you mean by ecosystem? What are its features? Explain the energy flow pyramid in brief. (07)

B. Define sustainability. Explain the process of environmental impact assessment (EIA). (08)

Q.4 A. Explain food chain and food web with diagram. (07)

B. Discuss the importance of waste management project with suitable examples. (08)

OR

Q.4 A. Discuss the role of central and state pollution control boards under water Act, 1974. (07)

B. Elaborate the concept of ecotourism and its prospect for development in India. (08)

Q.5 A. "Modern society is said to lack sustainability." How can we change it into a sustainable society?

(07)

B. Explain how the heat inside the earth can be used for generation of energy.

(08)

OR

Q.5 Write short notes on (Attempt any 3)

(15)

(1) Green management

(2) Water Act

(3) Wildlife Protection Act

(4) Air Act

(5) Environmental Protection Act

---X---

