



20

Time: 2 ½ hrs.

Marks:75

- Note:**
1. All questions are compulsory with internal options.
 2. Figures to the right indicate full marks.

Q.1 (A) Fill in the blanks with the correct alternative (Attempt any 8)**(08)**

- (1) _____ gas occupies the greatest percentage of the current atmosphere on Earth.
(a) Nitrogen (b) Oxygen (c) Carbon dioxide (d) Ozone
- (2) _____ would probably belong to the same trophic level as a bear.
(a) A deer (b) An oak tree (c) A wolf (d) A cow
- (3) Chief source of energy in environment is _____.
(a) fire (b) moon (c) sun (d) stars
- (4) Contribution from the _____ pair of gases causes acid rain.
(a) methane and ozone (b) oxygen and nitrous oxide
(c) methane and sulphur dioxide (d) carbon dioxide and sulphur dioxide
- (5) _____ is the best solution to get rid of non – biodegradable waste.
(a) Burning (b) Dumping (c) Landfilling (d) Recycling
- (6) Noise is _____.
(a) loud sound (b) constant sound (c) unwanted sound (d) slow sound
- (7) In the year _____ the Environmental Protection Act was enacted.
(a) 1986 (b) 1989 (c) 1994 (d) 1998
- (8) EIA was introduced in India for _____.
(a) mining projects (b) airports (c) new towns (d) all the above
- (9) _____ state in India ranks first in installation of wind power.
(a) Gujarat (b) Andhra Pradesh (c) Maharashtra (d) Tamil Nadu
- (10) _____ source of renewable energy is caused by uneven heating of Earth's surface.
(a) Solar (b) Wind (c) Geothermal (d) Biomass

Q.1 (B) State whether the following statements are True or False (Attempt any 7)**(07)**

- (a) Many integrated food chains interweave together to form complex food webs.
- (b) Niche and habitat are the same.
- (c) The concept of disaster management cycle was introduced since the Tokyo Conference of 1994.
- (d) Global warming refers to a process in which the temperature of the Earth's atmosphere decreases at abnormally fast rate.
- (e) Bhopal Gas tragedy took place in year 1984.
- (f) One carbon credit is equivalent to one ton of carbon reduction.
- (g) The Kyoto Protocol was adopted in China on 11th December, 1997.
- (h) Composting of waste is an aerobic process of decomposing.
- (i) Biomass can be used as fuel through fermentation.
- (j) CO₂ has a major share in biogas.

Q.2 (A) Define environment. Discuss its composition.**(07)****(B) Define 'Resources'. Give a detailed classification of resources.****(08)****OR****(C) What are biogeochemical cycles? Explain the working mechanism of water cycle along****(08)**

with its diagrammatic representation.

(D) What are food chains and food webs? Give example and discuss the significance. (07)

Q.3 (A) What is environmental degradation? Discuss its causes with suitable examples. (08)

(B) Define water pollution. Discuss the causes, effects and solutions to control water pollution. (07)

OR

(C) Discuss the phenomena of Global Warming. What are its causes and effects on living and non living things? (08)

(D) Discuss the importance of Waste Management. Cite a few examples. (07)

Q.4 (A) What are standards? Explain the features and benefits of ISO 14000 series. (08)

(B) Explain the features of the Air (Prevention and Control of Pollution) Act, 1981. (07)

OR

(C) Explain the features of the Wildlife Protection Act, 1972. (07)

(D) Discuss the process of Environmental Impact Assessment followed in India. (08)

Q.5 (A) Explain the concept of organic farming. How organic farming helps towards environmental management. (08)

(B) Write a note on Green Marketing. (07)

OR

(C) Write short notes (any 3) (15)

(1) Deforestation and afforestation

(2) E – Waste

(3) Biomedical waste

(4) Eco tourism

(5) Solar energy



---X---