

Date : 16/01/2018

Time : 09:30 to 11:30 Hrs.

Day : Tuesday

Marks : 50

Note : 1. All questions are compulsory 2. Over writing or scratching is not desirable
3. Draw figures where ever necessary

Q. 1 Define/Explain the following terms (Any five) (05)

(1) Ecosystem (2) Acid rain (3) Water pollution (4) Disaster (5) Producer (6) Hydrosphere

Q. 2 Differentiate the following (Any five) (10)

(1) Renewable and Non-renewable resources

(2) Lithosphere and Hydrosphere

(3) BOD and COD

(4) Herbivores and Carnivores

(5) Pollution and Pollutant

(6) Abiotic and Biotic factor

Q. 3 Write short notes on the following (Any four) (08)

(1) Pyramid of energy

(2) Effects of air pollution on human health

(3) Food chain

(4) Causes of deforestation

(5) The water (Prevention and control of pollution) Act

(6) Importance of disaster management in India

Q. 4 Answer the following questions in detail (Any three) (12)

(1) Write explanatory note on global warming.

(2) Discuss various reasons and effects of over population in India.

(3) Explain- Nitrogen cycle.

(4) Describe the in-situ conservation of biodiversity.

Q. 5 Select the most appropriate answer from the given options. (10)

(1) Which of the following is an example of aquatic ecosystem?

A. Desert

B. Lake

C. Tundra

D. Forest

(2) Who occupies the first position in food chain?

A. Consumer

B. Decomposer

C. Producer

D. Predator

(3) The word ecology is derived from _____ language.

A. Greek

B. Latin

C. Japanese

D. English

(4) Minamata disease is occurred due to drinking of _____ contaminated drinking water.

A. cadmium

B. arsenic

C. lead

D. mercury

- (5) Environment protection Act was enacted in _____.
 A. 1972 B. 1986
 C. 1981 D. 1990
- (6) _____ is the auditory effect of noise.
 A. Annoyance B. Increase in blood pressure
 C. Loss of working efficiency D. Deafness
- (7) Ozone is depleted by _____.
 A. CH₄ B. CO₂
 C. PAN D. CFCs
- (8) World Environment day is celebrated on _____.
 A. 21st March B. 7th April
 C. 5th June D. 3rd October
- (9) Which of these is not a renewable energy source?
 A. Tidal energy B. Coal
 C. Geo thermal energy D. Wind energy
- (10) _____% of Cultivable area of land in India is vulnerable to drought.
 A. 58 B. 68
 C. 78 D. 88

Q. 6 Match "A" with " B"

(05)

- | "A" | "B" |
|-----------------------|---------------------------------|
| (1) Earthquake | (A) Carnivore |
| (2) Flood | (B) Air pollutant |
| (3) Rabbit | (C) Lentic ecosystem |
| (4) Pond | (D) Ozone depletion |
| (5) NO ₂ | (E) Geological related disaster |
| (6) Montreal protocol | (F) Herbivore |
| (7) N ₂ O | (G) Global warming |
| (8) Snake | (H) Lotic ecosystem |
| (9) Kyoto protocol | (I) Green house gas |
| (10) River | (J) Climate related disaster |

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