

**NPTEL COURSE: Environment Impact Assessment (EIA)**

**WEEK-1 ASSIGNMENT- 1**

**Each question carries equal marks-2**

**Total Nos. of Questions-10**

**Total Marks-20**

1. Transported dust is not directly responsible for which of the following?
- a) Human Respiratory Ailments
  - b) Fertilization of Distant Forests
  - c) Damaging Infrastructure
  - d) **Global Warming**

**Correct Answer: d) Global Warming**

2. State True or False: As per the IPCC-2014., human activities have caused climate change and impacted ecosystems. They have transformed the earth's natural system exceeding its capacity and disrupting their self-regulatory mechanism, with irreversible consequences for global humanity
- a) **True**
  - b) False

**Correct Answer: a) True**

3. State True or False: The normal extinction of species rate is assumed to be between 0.1 and 1 species per 10,000 species per 100 years. This is known as a background rate of extinction.
- c) **True**
  - d) False

**Correct Answer: a) True**

4. State True or False: Biomes are defined as a major ecological community of organisms adapted to a particular climatic or environmental condition across a large geographical area.
- a) **True**
  - b) False

**Correct Answer: a) True**

5. State true or false. India is the third-largest fish-producing and second-largest aquaculture fish-producing country in the world.
- c) **True**
  - d) False

**Correct Answer: d) True**

6. The Process through which methyl mercury is passed along the food chain is called \_\_\_\_\_.

- a) Bio accumulation
- b) Bio magnification
- c) Bio conservation
- d) Bio acceleration

Correct Answer: b) Bio magnification

7. What are the key drivers of the Land Change?

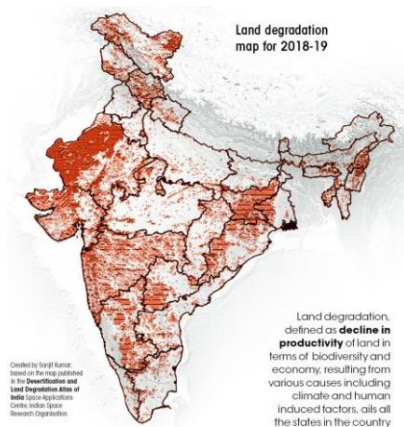
- I. Urbanization
- II. Climate Change
- III. Economic Development
- IV. Technology and Innovation

Answer

- a) I, III, IV only
- b) II, I, IV only
- c) IV, I, III only
- d) All of the above

Correct Answer: d) All of the above

8. State True or False. As per the Desertification and Land Degradation Atlas of India, prepared by the Space Applications Centre for the period 2011-2013, approximately 30% of the Total Geographical Area of India is undergoing the process of desertification/land degradation.



- a) True
- b) False

Correct Answer: a) True

9. State True or False. The term Economic Water Scarcity is used where storage, treatment, and conveyance infrastructure are Lacking.

a) True

b) False

Correct Answer: (a) True

10. Match the theme in group A with the description in group B

Group A		Group B	
P	Eutrophication	I	Microbial decomposition of liquid manure, sewage effluents and sewage treatment sludge and others deplete oxygen concentrations in water bodies.
Q	Organic pollutants	II	Impact on plant growth, degradation of water, groundwater contamination with arsenic, cadmium, nickel, mercury, chromium, zinc, and lead.
R	Heavy metals	III	Increase in quantity of dissolved minerals in freshwater from the land-use changes, agricultural irrigation drainage, lake evaporation and seawater intrusion, sea level rise, water abstraction.
S	Salinity	IV	Natural ageing process of lakes and wetlands, wherein they become enriched with nutrients and sediments, becoming more biologically productive, usually over a long period.

a) P-III, Q-I, R-II, S-IV

b) P-IV, Q-II, R-I, S-III

c) P-IV, Q-I, R-II, S-III

d) P- IV, Q-III, R-I, S-II

Correct answer: c) P-IV, Q-I, R-II, S-III