

NPTEL COURSE: Environment Impact Assessment (EIA)

WEEK-8 ASSIGNMENT- 8

Each question carries equal marks-2

Total Nos. of Questions-10

Total Marks-20

1. Analysis of climatic factors that affect adaptation are:

- I Extremes in short-term weather events
- II Extremes in longer-term climate variability
- III Changes in average climate norms

Answers

- a) I, III, only
- b) II, I, only
- c) II, III only
- d) I, II, III

Correct Answer: d) I, II, III

2. Impact of the project on climate change mitigation.

- I Generates energy by using fossil fuel
- II Consumes energy
- III Consumes energy by using renewables
- IV Remove carbon (Carbon Capture and storage projects) or protects carbon sinks

Answer

- a) I, III, IV only
- b) II, I, III only
- c) II, III, I only
- d) I, II, III, IV

Correct Answer: d) I, II, III, IV

3. State True or False: Habitat is a condition required to support a species or a community of species in a particular location.

- a) True
- b) False

Correct Answer: a) True

4. State True or False: An ecosystem is a self-sustaining functional system of physical, chemical, and biological attributes.

- c) True
- d) False

Correct Answer: a) True

5. Scoping stage (Determine)

- I Study area (Impact area or project-affected area)
- II Study methodologies
- III Assessment methodologies (levels of significance)
- IV Key ecological issues to address, (inclusion and exclusion list)

Answer

- a) I, III, IV only
- b) II, I, III only
- c) II, III, I, IV
- d) I, II, III, only

Correct Answer: c) II, III, I, IV

6. State True or False: Valued Ecosystem Components (VEC): are the species, habitat, or sites that qualify in terms of their ecological/conservation value or other attributes such as socioeconomic value.

- a) True
- b) False

Correct Answer: a) True

7. Effects of Habitat Isolation

- I The species dispersal capabilities
- II The nature of Land-use between the habitat patches
- III The degree of isolation between habitat patches
- IV The distances and severity of barriers between them

Answer

- a) I, III, IV only
- b) II, I, III only
- c) II, III, I, IV
- d) I, II, III, only

Correct Answer: c) II, III, I, IV

8. State True or False: Receptor Sensitivity is a function of the ability of a species or habitat to accept change in the environment and its resilience to any changes that may occur

- a) False
- b) True

Correct Answer: b) True

9. State True or False: Ecosystem service supply is the maximum amount of service that can be drawn from an ecosystem without damaging its future productive capacity
- a) True
 - b) False

Correct Answer: a) True

10. State True or False: Ecosystem type helps to know which services are provided. Whereas, ecosystem conditions help us to know the capacity of an ecosystem to supply them.
- c) True
 - d) False

Correct Answer: a) True