

MCQs (1 Mark Each – Total 10 Marks)

1. Kyoto Protocol is an important international treaty. Following sentences are related to this protocol. Find the wrong one:

- a) Kyoto Protocol was adopted in 1997.
- b) The first commitment period of Kyoto Protocol ended in 2012
- c) Kyoto Protocol is about reduction of emission of greenhouse gases.
- d) The second commitment period of Kyoto Protocol will end in 2030.

2. The carbon-dioxide content in the Earth's atmosphere is currently around 400 ppm. It is estimated that before 1500 AD, CO₂ content in earth's atmosphere was between 200 and 300 ppm. Which of the following greatly contributed this change?

- a) Invention of agriculture
- b) Industrial Revolution
- c) American Revolution
- d) World War I and II

3. Which of the following appears to contribute to global cooling rather than global warming?

- a) nitrous oxide
- b) aerosols
- c) methane
- d) chlorofluorocarbons

4. Environmental Impact Assessment (EIA) is mandatory under which one of the following India legislations:

- a) Indian Forest Act
- b) Air (Prevention and Control of Pollution) Act
- c) Wildlife Protection Act
- d) Environment (Protection) Act

5. What is Eutrophication?

- a) thermal change in water
- b) filling up of water body with aquatic plants due to excessive nutrients
- c) pollution of water due to solid waste
- d) none of the above

6. The "Red Data Books" published by the International Union for Conservation of Nature and Natural Resources (IUCN) contain lists of

1. Endemic plant and animal species present in the biodiversity hotspots

2. Threatened plant and animal species.
3. Protected sites for conservation of nature and natural resources in various countries.

Select the correct answer using the codes given below

- a) 1 and 3
- b) 2 only
- c) 2 and 3
- d) 3 only

7. NEPA stands for

- a) National Environmental Policy Act
- b) National Ecological Protection Act
- c) National Environmental Protection Act
- d) National Economic Policy Act

8. In which year EIA was started in India?

- a) 1967-68
- b) 1976-77
- c) 1986-87
- d) 1972-73

9. Which factors below should be addressed by EIA?

- a) Types of ethnic wear used by indigenous people.
- b) Eating habits
- c) Nearby Visiting place
- d) Meteorology and Air quality.

10. Mercury is considered hazardous to human health. It damages brain, kidneys and lungs and also results in various diseases. Mercury pollution is a serious issue because:

- a) Mercury is a pure metal and hard to digest.
- b) Mercury accumulates and concentration increases high up the food chain.
- c) Mercury is light and easily dispersed by wind.
- d) Mercury is very soluble in water and easily absorbed by human body.

EXPAND THE FOLLOWING (1 Mark Each – Total 10 Marks)

IUCN

INES

WII

NBW

IAA

IAEA

UNFCCC

UNCCD

CBD

POP

MATCH THE FOLLOWING (5 Marks)

COLUMN A	COLUMN B
1. Major source of Mercury in atmosphere	Category B
2. Conservation of wild life, advisory body, India	Greenhouse Gas
3. Ozone hole	Burning coal
4. Power Generation and Transmission	Global warming
5. Kyoto Protocol	Category A
	National Board of Wildlife
	Chlorofluorocarbons
	Wildlife preservation society

TRUE OR FALSE (1 Mark Each – Total 5 Marks)

1. Impact assessment is done for the planned project and the identified alternatives.
2. A good quality EIA might still lead to the planned development not being permitted to go ahead based on the identified impacts.
3. Typically, the project proponents carry out the screening process by assessing their project based upon a set of criteria determined by a designated agency.
4. More than 100 countries have legislation on EIA
5. The EIA report development is the last step in terms of conducting the impact assessment done by the project team and the involved consultants.

EXPLAIN IN BRIEF (4 Marks Each 200 words limit)

1. Differentiate between comprehensive EIA and Rapid EIA?
2. How public participation can be helpful for a better decision making?
3. What is environmental impact statement?
4. What is the three purposes of EIA?
5. What are the benefits and constraints in SEA?

EXPLAIN IN DETAIL (10 Marks)

1. Explain the step by step process of EIA with the help of a case study