



NPTEL Online Certification Course
<Environment and Development>
<Assignment 10>: Detailed Solution
Indian Institute of Technology Guwahati

All questions are compulsory, and each question carries one (01) mark

1. Which of the following process leads to heating of the earth?

- a. When incoming energy from the sun is absorbed by the earth
- b. When the sun's energy is reflected back into space
- c. When absorbed energy is released back into space
- d. All of these

Correct Answer: A

Detailed Answer: From the NPTEL lectures

2. In which year was the Kyoto Protocol adopted?

- a. 1985
- b. 1987
- c. 1992
- d. 1997

Correct Answer: D

Detailed Answer: From the NPTEL lectures

3. What is the definition of climate change as per the Working Group II of the Intergovernmental Panel on Climate Change (IPCC)?

- a. It refers to any change in the climate over time to natural variability
- b. It refers to any change in the climate over time as a result of human activity
- c. It refers to any change in the climate over time, whether due to natural variability or as a result of human activity
- d. None of these

Correct Answer: C

Detailed Answer: From the NPTEL lectures

4. Which of the following statement/s best characterizes global climate change?

- a. It is the identifiable change in the climate of earth as a whole that lasts for an extended period of time
- b. Due to natural process, it is usually referred to as global climate variability
- c. It refers to changes forced by human activities that change the atmosphere
- d. All of these

Correct Answer: D

Detailed Answer: From the NPTEL lectures

5. Which of the following process leads to cooling of the earth?

- a. When incoming energy from the sun is absorbed by the earth
- b. When the sun's energy is reflected back into space
- c. When absorbed energy is released back into space
- d. All of these

Correct Answer: C

Detailed Answer: From the NPTEL lectures

6. What was agreed at the First Conference of the Parties (COP 1)?

- a. To negotiate emission reduction targets for SARC countries
- b. To negotiate emission reduction targets for G77 countries
- c. To negotiate emission reduction targets for BASIC countries
- d. To negotiate emission reduction targets for industrialized countries

Correct Answer: D

Detailed Answer: From the NPTEL lectures

7. The earth's temperature depends on

- a. Incoming energy from the sun
- b. Released energy from the earth
- c. The balance between energy entering and leaving the planet's system
- d. All of these

Correct Answer: C

Detailed Answer: From the NPTEL lectures

8. Which of the following national plan/mission focused on sustainable agriculture?

- a. National Mission on Sustainable Habitats
- b. National Mission for Sustainable Agriculture
- c. National Mission for Sustaining the Himalayan Ecosystem
- d. None of these

Correct Answer: B

Detailed Answer: From the NPTEL lectures

9. What is the full form of UNEP?

- a. United Nation Energy Program
- b. United Nation Environment Program**
- c. United Nation Education Program
- d. United Nation Ecology Program

Correct Answer:B

Detailed Answer: From the NPTEL lectures

10. Which of the following statement is true about 'infrared radiation'?

- a. It has a wavelength and a weaker energy level**
- b. It has a shorter wavelength and a weaker energy level
- c. It has a longer wavelength and a higher energy level
- d. It has a longer wavelength and a higher energy level

Correct Answer:A

Detailed Answer: From the NPTEL lectures