

CUET PG 2026 Environmental Sciences Question Paper

Time Allowed :1 Hour 30 Minutes

Maximum Marks :300

Total Questions :75

General Instructions

Read the following instructions very carefully and strictly follow them:

- The Question Paper consists of 75 Multiple Choice Questions (MCQs).
- Total marks for the exam is 300.
- The total duration is 90 minutes; a timer on the screen will display the remaining time, and the exam will automatically submit when the time reaches zero.
- For every correct answer, 4 marks (+4) will be awarded to the candidate, and a 1 mark (-1) will be deducted for every incorrect answer.
- Question papers are available in both English and Hindi.

1. Which of the following layers of the atmosphere contains the ozone layer that absorbs UV radiation?

- (A) Troposphere
- (B) Stratosphere
- (C) Mesosphere
- (D) Thermosphere

2. In Bowen's Reaction Series, which mineral is the first to crystallize from a cooling silicate magma?

- (A) Quartz
- (B) Olivine
- (C) Biotite
- (D) Muscovite

3. What is the primary chemical responsible for Minamata disease in humans?

- (A) Lead
- (B) Mercury
- (C) Arsenic
- (D) Cadmium

4. Calculate the energy of a photon (in Joules) with a wavelength of 500 nm, given $h = 6.6 \times 10^{-34}$ Js.

- (A) 3.96×10^{-19} J
 - (B) 1.98×10^{-19} J
 - (C) 5.00×10^{-19} J
 - (D) 7.92×10^{-19} J
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5. Which global agreement specifically targets the phase-out of Ozone Depleting Substances (ODS)?

- (A) Kyoto Protocol
 - (B) Paris Agreement
 - (C) Montreal Protocol
 - (D) Basel Convention
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6. In an aquatic ecosystem, what does a high Biological Oxygen Demand (BOD) value indicate about water quality?

- (A) High dissolved oxygen and clean water
 - (B) Low organic pollution in water
 - (C) High level of organic pollution and poor water quality
 - (D) High mineral content in water
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7. According to the Mohs Scale of Hardness, which mineral has a relative hardness value of 9?

- (A) Quartz
 - (B) Diamond
 - (C) Corundum
 - (D) Topaz
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8. Which type of ecological pyramid can never be inverted in any ecosystem?

- (A) Pyramid of Numbers
 - (B) Pyramid of Biomass
 - (C) Pyramid of Energy
 - (D) Pyramid of Population
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9. The Kyoto Protocol was primarily designed to reduce the emission of which type of gases?

- (A) Ozone-depleting gases
 - (B) Greenhouse gases
 - (C) Noble gases
 - (D) Radioactive gases
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10. Which plant group is considered the "amphibians of the plant kingdom" due to their requirement for water during fertilization?

- (A) Pteridophytes
 - (B) Gymnosperms
 - (C) Bryophytes
 - (D) Angiosperms
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11. What is the main process by which nitrogen is returned to the atmosphere from the soil?

- (A) Nitrogen fixation
 - (B) Ammonification
 - (C) Denitrification
 - (D) Nitrification
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12. In the context of waste management, what does the term leachate refer to?

- (A) Gas released from decomposing waste
 - (B) Liquid that drains or percolates through waste and carries dissolved substances
 - (C) Solid residue left after waste incineration
 - (D) Recycled organic compost material
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13. Which Indian state is most associated with the controversial practice of rat-hole mining?

- (A) Jharkhand
 - (B) Meghalaya
 - (C) Odisha
 - (D) Chhattisgarh
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14. The Environment Protection Act of India was enacted in which year following the Bhopal Gas Tragedy?

- (A) 1982
 - (B) 1984
 - (C) 1986
 - (D) 1991
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15. Which heavy metal is most commonly associated with Itai-Itai disease?

- (A) Mercury
- (B) Lead
- (C) Cadmium
- (D) Arsenic

