

# CUET PG 2026 Environmental Sciences Question Paper(Memory Based)

Time Allowed :1 Hours 30 min	Maximum Marks :300	Total Questions :75
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## General Instructions

1. The exam lasts 90 minutes (1 hour 30 minutes).
2. There are 75 Multiple Choice Questions (MCQs) to be answered.
3. +4 marks for every correct answer. -1 mark (negative marking) for every incorrect answer. 0 marks for unanswered or un-attempted questions.
4. For any discrepancy in questions, the English version is considered final (except for language-specific papers).
5. Click one of the four options to choose an answer.
6. You must click "Save & Next" to confirm your response. Only saved answers are considered for evaluation.
7. Use "Mark for Review & Next" to flag a question for later. You can unselect or change your answer using the "Clear Response" button.
8. All calculations must be done on the Rough Sheets provided at the centre. These must be returned to the invigilator after the exam.

**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

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**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

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

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

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

- (A)  $3.96 \times 10^{-19}$  J
  - (B)  $1.98 \times 10^{-19}$  J
  - (C)  $5.00 \times 10^{-19}$  J
  - (D)  $7.92 \times 10^{-19}$  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
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