

Daily-mcqs 21 Nov 2025

Current Affairs MCQs for UPSC & State PSC Exams 21 Nov 2025

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Daily MCQs for UPSC/PSC Exams

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Q1: With reference to the Global Methane Status Report released at COP30, consider the following statements:

1. Methane has nearly 50 times more warming potential than CO₂ over a 20-year period.
2. The Global Methane Pledge aims to reduce methane emissions by 30% from 2020 levels by 2030.
3. The report highlights that the world is currently on track to meet the Global Methane Pledge targets.
4. The UNEP and the Climate and Clean Air Coalition jointly prepared the report.

Which of the above statements are correct?

- A: 1 and 2 only
- B: 2 and 4 only
- C: 2, 3 and 4 only
- D: 1, 2, 3 and 4

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Q2: Consider the following regarding the Global Methane Pledge (GMP) and the COP30 ministerial response:

1. The Global Methane Pledge was launched at COP26 by the European Union and the United States.
2. The pledge focuses on reducing methane emissions from sectors such as fossil fuels, agriculture, and waste.

3. A key outcome at COP30 was the call for integration of methane reductions into national climate strategies.
4. India is a signatory to the Global Methane Pledge and has committed to methane cuts by 2030.

Which of the above statements are correct?

- A: 1 and 2 only
- B: 1,2 and 4 only
- C: 1, 2 and 3 only
- D: 1, 2, 3 and 4

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Q3: With reference to the ART (Regulation) Act, 2021 and its implications for transgender persons, consider the following statements:

1. Under the ART Act, both married couples and unmarried couples can legally access Assisted Reproductive Technology services.
2. The ART Act adopts gender-neutral terminology to define eligible ART recipients.
3. The exclusion of transgender persons from ART services has been justified by the government as a matter of policy requiring expert input.

Which of the above statements are correct?

- A: 1 and 2 only
- B: 3 only
- C: 1 and 3 only
- D: 1, 2, and 3

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Q4: With reference to BIRSA 101, India's first indigenous CRISPR-based gene therapy for Sickle Cell Disease (SCD), consider the following statements:

1. BIRSA 101 was developed by the Council of Scientific and Industrial Research – Institute of Genomics & Integrative Biology (CSIR–IGIB).
2. The therapy involves correction of the single-gene mutation responsible for Sickle Cell Disease.
3. One of the key motivations behind developing BIRSA 101 indigenously is to reduce dependence on foreign CRISPR licensing.

4. India is the first country in the world to develop a CRISPR-based therapy for SCD.

How many of the above statements are correct?

- A:** Only one
- B:** Only two
- C:** Only three
- D:** All four

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Q5: With reference to CRISPR (Clustered Regularly Interspaced Short Palindromic Repeats) gene-editing technology, consider the following statements:

- 1. CRISPR uses a guide RNA to direct a DNA-cutting enzyme, such as Cas9, to a specific genomic location.**
- 2. The Cas9 enzyme can only deactivate genes but cannot insert new DNA sequences.**
- 3. CRISPR has applications in gene therapy, cancer treatment, diagnostics, and research.**
- 4. CRISPR technology is derived from a natural bacterial defense system.**

Which of the above statements are correct?

- A:** 1 and 2 only
- B:** 1,3 and 4 only
- C:** 1, 2 and 3 only
- D:** 1, 2, 3 and 4

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