



Daily Current Affairs Prelims Quiz 31-08-2026

1) With reference to the CosmoCube Mission, consider the following statements:

1. It will operate in lunar orbit, using the Moon's far side as a shield against Earth's radio interference.
2. It aims to detect the faint 21cm hydrogen line from neutral hydrogen during the "Cosmic Dawn."
3. Earth-based telescopes can easily observe these low-frequency radio waves without obstruction.

Which of the above are correct?

- a. 1 and 2 only
 - b. 2 and 3 only
 - c. 1 and 3 only
 - d. 1, 2 and 3
- a. 1 and 2 only
 - b. 2 and 3 only
 - c. 1 and 3 only
 - d. 1, 2 and 3



Answer : a

1. CosmoCube uses lunar orbit shielding (1) and targets the 21cm hydrogen line (2).
2. Earth's ionosphere blocks such signals, so statement 3 is incorrect.

2) Vaishya Tekri excavation in Ujjain is significant because:

- a. It is smaller than the Great Stupa at Sanchi.
 - b. It confirms Ashoka's viceroyalty in Avanti through epigraphic evidence.
 - c. It was first excavated by Xuanzang in the 7th century.
 - d. It shows no connection with Buddhism.
- a. a
 - b. b
 - c. c
 - d. d

Answer : b

Vaishya Tekri mound is larger than Sanchi's stupa, linked to Ashoka's viceroyalty in Avanti, with epigraphic support. Xuanzang only recorded observations, not excavations.

3) The 1996 Ganga Water Sharing Treaty between India and Bangladesh regulates:

- a. Monsoon flood distribution between Bihar and West Bengal.
- b. Lean season water sharing at the Farakka Barrage.
- c. Exclusive irrigation rights for Bangladesh.
- d. Hydropower generation in Nepal.

- a. a
- b. b
- c. c
- d. d

Answer : b

The treaty regulates lean season (Jan-May) water distribution at Farakka Barrage, signed in 1996 for 30 years.

4) A recent ecological study found that dung beetle *Onthophagus orpheus* prefers dog dung over cow dung. Which of the following is correct?

- a. Offspring survival was higher in dog dung.
- b. Egg mortality was higher in dog dung despite adult preference.
- c. Dog dung contains no harmful residues.
- d. Cow dung produced larger progeny.

- a. a
- b. b
- c. c
- d. d

Answer : b

Beetles preferred dog dung, but egg mortality was higher, possibly due to antiparasitic residues in dog faeces.



1. 95% of human food comes from soil.
2. Soil erosion is the single biggest soil problem globally.
3. India loses around 5 billion tonnes of soil annually through erosion.

Which of the above are correct?

- a. 1 and 2 only
- b. 2 and 3 only
- c. 1 and 3 only
- d. 1, 2 and 3

- a. 1 and 2 only
- b. 2 and 3 only
- c. 1 and 3 only
- d. 1, 2 and 3

Answer : d

All three are correct — soil provides 95% of food, erosion is the biggest problem, and India loses 5 billion tonnes annually.