



Daily Current Affairs Prelims Quiz 18-08-2026

1) With reference to Ghatiana karnataka, recently discovered in the Western Ghats, consider the following statements:

1. It is the 15th species of the Ghatiana genus recorded in the Western Ghats.
2. Eight of these species, including the latest one, are endemic to Karnataka.
3. Freshwater crabs like Ghatiana karnataka are considered bio?indicators of pristine ecosystems.

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

Answer : d

Ghatiana karnataka is the 15th species of the genus, 8 endemic to Karnataka, and freshwater crabs are bio?indicators of unpolluted ecosystems.

2) Scientists recently developed a 3?D computer simulation model to forecast Coronal Mass Ejections (CMEs). Which of the following is correct?

- a. CME acceleration is unrelated to magnetic reconnection rates.
- b. Magnetic flux ropes are key triggers of CMEs.
- c. The model was validated using data from ISRO's Chandrayaan?2 mission.
- d. CMEs have no impact on Earth's satellites or power grids.

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

Answer : b

Magnetic flux ropes are twisted magnetic structures that trigger CMEs. The model showed CME acceleration depends on reconnection rate. Validated using NASA's Solar Dynamics Observatory data.

3) Human knockout genes are significant because they:

- a. Always cause fatal diseases when lost.
- b. Help identify beneficial or harmful effects of gene loss, guiding drug development.
- c. Cannot be studied in consanguineous populations.
- d. Are unrelated to cardiovascular or metabolic conditions.

- a. a

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

Answer : b

Knockout genes reveal disease associations or protective effects. Example: APOC3 loss reduces triglycerides; PLA2G7 loss lowers CAD risk. Consanguinity increases likelihood of knockouts.

4) India's roadmap for a self-reliant nuclear energy ecosystem includes:

1. Deployment of indigenous 700 MWe PHWRs at greenfield sites.
2. Development of Small Modular Reactors (SMRs) for brownfield and off-grid applications.
3. Thorium-based reactors as part of the three-stage nuclear programme.

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

Answer : d

Roadmap includes PHWRs, SMRs, and thorium reactors under the three-stage programme. Supported by SHANTI Act 2025 for wider participation.

5) The 7th meeting of the Subsidiary Body on Implementation (SBI-7) of the CBD focused on:

- a. Drafting a new biodiversity convention independent of CBD.
- b. Reviewing the Kunming-Montreal Global Biodiversity Framework (KMGBF) implementation.
- c. Finalising the Paris Agreement's biodiversity targets.
- d. Negotiating trade rules for endangered species under WTO.

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

Answer : b

SBI-7 in Nairobi reviewed KMGBF implementation, identified gaps, and prepared for COP-17 in Armenia (Oct 2026).