Daily Current Affairs Prelims Quiz 26-10-2026

1.Consider the following statements regarding Advanced Emergency Braking Systems (AEBS):

1. AEBS uses forward-facing cameras, radars, or a combination of sensors to monitor the road ahead.
2. If the driver fails to respond to a detected collision risk, AEBS can automatically apply emergency braking.
3. Under the proposed Indian framework, AEBS is to become mandatory for all new M1 passenger car models from October 1, 2030.
4. The system can be permanently disabled by the driver at all speeds.

Which of the statements given above are correct?

a. 1 and 2 only
b. 1, 2 and 3 only
c. 2, 3 and 4 only
d. 1, 2, 3 and 4

SHANKAR IAS PARLIAMENT
Information is Empowering

Answer : b

- **Statement 1 — Correct:** AEBS continuously monitors the vehicle's forward path using **cameras, radar or sensor fusion** to identify potential collision risks.
- **Statement 2 — Correct:** When a collision is detected and the driver does not respond adequately, the system can provide warnings and subsequently **automatically apply emergency braking** to avoid or reduce the severity of a collision.
- **Statement 3 — Correct:** As per the proposed timeline, AEBS conforming to **AIS-185** is proposed to become mandatory for **all new M1 passenger-car models from October 1, 2030**.
- **Statement 4 — Incorrect:** The system is not intended to be permanently disabled. Drivers may override it through actions such as **steering input or hard acceleration**, but it is designed to reactivate automatically after restarting the vehicle.

UPSC Prelims Practice Question: UN Loss and Damage Fund (FRLD)

2. Consider the following statements regarding the Fund for Responding to Loss and Damage (FRLD):

1. The Fund seeks to assist developing countries particularly vulnerable to climate change in addressing economic and non-economic losses and damages.
2. The Fund was agreed upon at COP27 and its Governing Instrument was adopted at COP28.
3. The World Bank serves as the interim trustee of the Fund.
4. At least half of the Fund's start-up allocation is reserved for Small Island Developing States (SIDS) and Least Developed Countries (LDCs).

5. The Fund operates under the United Nations Framework Convention on Climate Change (UNFCCC).

Which of the statements given above are correct?

a. 1, 2 and 3 only

b. 1, 2, 3 and 5 only

c. 1, 2, 3, 4 and 5

d. 2, 4 and 5 only

Answer : c

- **Statement 1 — Correct:** The **FRLD** supports developing countries that are particularly vulnerable to climate change in addressing **economic as well as non-economic losses and damages**, including those arising from extreme weather events and slow-onset impacts.
- **Statement 2 — Correct:** The establishment of funding arrangements for loss and damage was agreed at **COP27 (2022)**, while the Fund's **Governing Instrument was adopted at COP28 (2023)**.
- **Statement 3 — Correct:** The **World Bank** serves as the Fund's **interim trustee**.
- **Statement 4 — Correct:** Of the **$342 million start-up allocation**, at least **50% is reserved for SIDS and LDCs**.
- **Statement 5 — Correct:** The FRLD operates within the framework of the **UNFCCC**.

3.Consider the following statements regarding Agrivoltaics:

1. Agrivoltaics involves the simultaneous use of the same land for agricultural activities and solar electricity generation.
2. In agrivoltaic systems, solar panels may be installed above crops or between crop rows.
3. Agrivoltaics necessarily requires agricultural land to be converted exclusively for solar power generation.
4. Agrivoltaics can contribute to efficient land use and diversification of farmers' income.

SHANKAR IAS PARLIAMENT
Information is Empowering

Which of the statements given above are correct?

a. 1 and 2 only

b. 1, 2 and 4 only

c. 2, 3 and 4 only

d. 1, 2, 3 and 4

Answer : b

- **Statement 1 — Correct:** Agrivoltaics, also called **agrisolar or dual-use solar**, combines **agricultural production with solar electricity generation** on the same land.
- **Statement 2 — Correct:** Solar panels can be positioned **above crops or between crop rows**, allowing farming activities to continue.
- **Statement 3 — Incorrect:** The key principle of agrivoltaics is **dual use of land**, rather than converting agricultural land exclusively to solar generation.
- **Statement 4 — Correct:** Agrivoltaics can improve **land-use efficiency**, provide an additional source of income to farmers and support both **food and energy security**.

4.Consider the following statements regarding CAR-T cell therapy:

1. CAR-T therapy is a form of personalised immunotherapy used to target certain cancer cells.
2. In this therapy, a patient's T-cells are genetically modified to express Chimeric Antigen Receptors (CARs).
3. The modified T-cells can recognise specific antigens on cancer cells and help destroy them.
4. CAR-T therapy involves replacing the patient's immune system entirely with donor-derived immune cells.

Which of the statements given above are correct?

a. 1 and 2 only

b. 1, 2 and 3 only

c. 2, 3 and 4 only

d. 1, 2, 3 and 4

Answer : b

- **Statement 1 — Correct:** CAR-T therapy is a **personalised immunotherapy** in which a patient's own immune cells are engineered to fight cancer.
- **Statement 2 — Correct: T-cells** are collected from the patient and genetically modified in a laboratory to produce **Chimeric Antigen Receptors (CARs)**.
- **Statement 3 — Correct:** These CARs enable the modified T-cells to recognise specific **target antigens** on cancer cells and subsequently attack them.
- **Statement 4 — Incorrect:** CAR-T therapy does **not** replace the entire immune system with donor cells. It generally uses the **patient's own T-cells**, which are modified and expanded before being infused back into the patient.

UPSC Prelims Practice Question: Amur Falcon

5. Consider the following statements regarding the Amur Falcon (*Falco amurensis*):

1. The Amur Falcon is considered the world's longest-distance migrating raptor.
2. It breeds in regions including southeastern Siberia, Mongolia and northern China.
3. During migration, large congregations of Amur Falcons are observed in parts of Northeast India.
4. Its migration involves a long overwater passage across the Arabian Sea towards Africa.
5. It spends the northern summer in Southern and Eastern Africa before returning to Siberia for wintering.

SHANKAR IAS PARLIAMENT
Information is Empowering

Which of the statements given above are correct?

a. 1, 2 and 3 only

b. 1, 2, 3 and 4 only

c. 2, 3, 4 and 5 only

d. 1, 2, 3, 4 and 5

Answer : b

- **Statement 1 — Correct:** The **Amur Falcon (*Falco amurensis*)** is recognised as the world's longest-distance migrating raptor, undertaking an annual journey of up to about **20,000 km**.
- **Statement 2 — Correct:** Its breeding range includes **southeastern Siberia, Mongolia and northern China**.
- **Statement 3 — Correct:** During migration, huge numbers congregate in **Northeast India**, particularly **Nagaland and Manipur**, around October. They feed extensively on insects such as termites.
- **Statement 4 — Correct:** From India, the falcons undertake an exceptionally long **overwater journey across the Arabian Sea**, travelling roughly 3,000 km over open water towards Africa.
- **Statement 5 — Incorrect:** The seasonal cycle is reversed. The Amur Falcon **breeds in northern regions during the northern summer** and **winters in Southern and Eastern Africa**.