

# OFFICERS IAS ACADEMY

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Daily MCQs: 23-11-2024

### 1. 'Carbon leakage' refers to

- A. The harmful effects that occur when carbon monoxide is inhaled and accumulated in the bloodstream.
- B. The process by which carbon, which is stored in natural systems, is released back into the atmosphere.
- C. The situation where a company relocates its production to a country with less stringent environmental regulations to avoid stricter regulations in its home country.
- D. The process by which carbon is absorbed from the atmosphere and stored in natural systems.

### 2. Consider the following impacts

- 1) Solar flares
- 2) Coronal Mass ejections
- 3) Disruption in Radio communication
- 4) Affect electricity grids
- 5) Affect satellite electronics

### How many of the above impacts can be caused by the Solar cycle?

- A. Only two
- B. Only three
- C. Only four
- D. All five

### 3. Consider the following statements about the Indian fisheries sector.

- 1) Fisheries and Aquaculture Infrastructure Development Fund provides funding for the creation of infrastructure only in inland fisheries.
- 2) National Policy on Marine Fisheries has sustainability as its core principle.

### Which of the above given statement(s) is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

### 4. Consider the following statements about the International Criminal Court (ICC).

- 1) ICC was established by the Rome Statute.
- 2) ICC is the judicial organ of the United Nations (UN).
- 3) ICC is headquartered in The Hague.

### How many of the above statement(s) is/are incorrect?

- A. Only one
- B. Only two
- C. All three

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D. None

### 5. Consider the following statements about Svalbard Global Seed Vault.

- 1) The Seed Vault is managed by the European Commission.
- 2) The Seed Vault contributes to safeguarding the world's food supply against potential catastrophes.
- 3) The seeds are stored at low temperature and limited access to oxygen.

Which of the above statement(s) is/are correct?

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

Solutions:

1. Answer: C

Explanation

- **Carbon leakage** refers to the situation where a company relocates its production to a country with **less stringent environmental regulations** to **avoid stricter regulations in its home country**. Hence, **answer is option C**.
- **Carbon Border Adjustment Mechanism** allows industries in Europe to remain **competitive** while continuing to maintain **high environmental standards** and prevents **carbon leakage**.

About Carbon Border Adjustment Mechanism

- **Carbon Border Adjustment Mechanism** is the European Union's tool to put a fair price on the **carbon emitted** during the **production of carbon intensive goods that are entering the European Union (EU)**, and to **encourage cleaner industrial production** in non-EU countries.
- Currently, the CBAM applies to **iron and steel, cement, fertilizers, aluminum, electricity, and hydrogen**. The scope may expand to include more products in the future.

2. Answer: D

Explanation

Impacts of Solar Cycle

- Giant eruptions on the Sun, such as **solar flares** and **coronal mass ejections (CMEs)**, increase during the solar cycle. These eruptions send **powerful bursts of energy and material** into space. Hence, **impacts 1 and 2 are correct**.

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- This activity can have **effects on Earth**. For example, eruptions can cause **aurora**, or **impact radio communications**. Extreme eruptions can even **affect electricity grids on Earth**. Hence, **impacts 3 and 4 are correct**.
- Solar activity can **affect satellite electronics** and limit their lifetime. Hence, **impact 5 is correct**

### 3. Answer: B

#### Explanation

#### Government Initiatives and Schemes to Promote Sustainable Fisheries Fisheries and Aquaculture Infrastructure Development Fund (FIDF):

- FIDF was introduced in 2018-19 to provide **funding for the creation of infrastructure in both marine and inland fisheries**. Hence, **statement 1 is incorrect**.
- FIDF loans can **cover up to 80% of the project cost, with interest subvention of up to 3%**.
- This financial support is essential for fish farmers, entrepreneurs, and cooperatives looking to improve the infrastructure required to scale up production.

#### National Policy on Marine Fisheries (NPMF, 2017):

- The Government of India has introduced the NPMF, which places a **strong emphasis on sustainability** as the core principle for all marine fisheries actions. Hence, **statement 2 is correct**.
- This policy guides the conservation and management of India's marine fishery resources.

#### Blue Revolution Integrated Development and Management Fisheries Scheme or Blue Revolution Scheme:

- Launched in FY 2015-16, the scheme primarily focused on increasing fish production and productivity.

#### Pradhan Mantri Matsya Sampada Yojana (PMMSY):

- Launched in 2020, it is a flagship initiative aimed at **transforming India's fisheries sector**.
- The scheme focuses on **enhancing aquaculture productivity, improving fisheries management, and creating 55 lakh new jobs** in the sector, along with **big infrastructural changes of establishing five integrated aqua parks**.
- It also envisages **doubling fisheries exports to 1 lakh crores**.

#### Indian fisheries sector

- As the **3rd largest fish producer, 2nd largest aquaculture nation** in the world after **China** and the **largest producer of shrimp**, **India** contributes significantly to both domestic food security and the global seafood market.
- The **Indian fisheries sector** not only supports the livelihoods of around **30 million people**, especially in coastal and rural communities, but it also holds immense potential for growth, job creation, and rural development.
- In recent years, Indian fisheries have experienced a **significant shift, moving from a marine-dominated sector to a greater focus on inland fisheries**.
- Recognized as a **"sunrise sector,"** it is poised to make a significant contribution to the Indian economy in the near future, driven by its vast potential for growth and development.

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- Initially **dominated by marine fish production**, the sector has seen a **significant shift towards inland fisheries**, which now contributes around **70% of the country's total fish production**.

### 4. Answer: A

#### Explanation

- The International Criminal Court (ICC) is a permanent judicial body established by the **Rome Statute** of the International Criminal Court (1998). Hence, **statement 1 is correct**.
- It is an **independent judicial body distinct from the UN**. Hence, **statement 2 is incorrect**.
- ICC **investigates and tries individuals** charged with the gravest crimes of concern to the international community: genocide, war crimes, crimes against humanity and the crime of aggression.
- The ICC was established as a **court of last resort** to prosecute the most heinous offenses in cases where national courts fail to act.
- It is headquartered in **The Hague, Netherlands**. Hence, **statement 3 is correct**.

### 5. Answer: C

#### Explanation:

##### Svalbard Global Seed Vault

- It is a **secure seed bank** located on the **island of Spitsbergen in the Svalbard archipelago in Norway**.
- The Seed Vault is **managed by the Norwegian government, the Crop Trust, and the Nordic Genetic Resource Center**. Hence, **statement 1 is incorrect**.
- It serves as a **global backup facility for seeds of various plant species**, safeguarding the **world's food supply** against **potential catastrophes** such as mismanagement, accident, war, disease, and natural disasters. Hence, **statement 2 is correct**.
- The seeds are stored in storage rooms kept at **-18 °C (-0.4 °F)** as **low temperature and limited access to oxygen** will ensure **low metabolic activity and delay seed aging**. Hence, **statement 3 is correct**.
- The **permafrost** surrounding the seed vault will help in **maintaining low temperature** of the seed vault in case of power outage.

#### Why in News?

- The **Svalbard Seed Vault** has recently received a **significant influx of seed samples** from around the world.