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Daily MCQs: 06-02-2025

1. With reference to the Agni class of missiles, consider the following statements.

1. Agni series was one of the components under the Integrated Guided Missile Development Program.
2. The longest of the Agni series, Agni-V is an Inter-Continental Ballistic Missile with a range of over 5,000 km.
3. All missiles of Agni series have a range of 2000 kms and above.

How many of the above statements is/are correct?

- A. Only one
- B. Only two
- C. All the three
- D. None of the above

2. Consider the following statements about the Amazon Rainforest

- 1) It is the largest rainforest in the world.
- 2) Nearly 60 percent of the Amazon rainforest is located in Bolivia.
- 3) The Nile river runs through the Amazon rainforest.

How many of the statements given above are correct?

- A. Only one
- B. Only two
- C. All three
- D. None

3. Consider the following statements about Pradhan Mantri Ujjwala Yojana

- 1) Pradhan Mantri Ujjwala Yojana (PMUY) aims to safeguard the health of women & children by providing them with a clean cooking fuel – LPG.
- 2) The connections will be issued in the name of adult women members of the households.
- 3) The scheme targets giving free LPG connections only to rural women members of below the poverty line (BPL) households.

Which of the statements given above is/are correct?

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

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4. With reference to the Competition Commission of India (CCI), consider the following statements.

1. It is a statutory body.
2. Its objective is to prevent practices having adverse effects on competition.
3. It is responsible for the implementation of Monopolies and Restrictive Trade Practices Act.

Which of the statements given above is/are correct?

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

5. Consider the following pairs with respect to agricultural revolutions in India

Revolution	Related with
1. Golden Revolution	- Jute production
2. Grey Revolution	- Fish production
3. Round Revolution	- Egg production
4. Yellow Revolution	- Oil seeds Production

Which of the above given pairs is/are incorrectly matched?

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

Solutions:

1. Answer: B

Explanation

Agni Class of Missiles

- Agni class of missiles are the **mainstay of India's nuclear launch capability** which also includes the Prithvi short range ballistic missiles, submarine launched ballistic missiles and fighter aircraft.
- **Statement 2 is correct:** The **longest** of the Agni series, **Agni-V**, an Inter-Continental Ballistic Missile (ICBM) with a range of over 5,000 km.

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Evolution of Agni

- Agni I: Range of 700-800 km. **Hence, statement 3 is incorrect.**
- Agni II: Range more than 2000 km.
- Agni III: Range of more than 2,500 Km
- Agni IV: Range is more than 3,500 km and can fire from a road mobile launcher.
- Agni-V: The longest of the Agni series, an **Inter-Continental Ballistic Missile (ICBM)** with a range of over 5,000 to 8000 km. An intercontinental ballistic missile (ICBM) is a missile with a minimum range of 5,500 kilometres primarily designed for nuclear weapons delivery

IGMDP (Integrated Guided Missile Development Program)

- It was conceived by Dr. A.P.J. Abdul Kalam to enable India attain self-sufficiency in the field of missile technology.
- The 5 missiles developed under this program are:
 - **Agni**: Ballistic missiles with different ranges, i.e. Agni (1,2,3,4,5) **Hence, statement 1 is correct.**
 - **Akash**: Medium range surface to air missile.
 - **Prithvi**: Short range surface to surface ballistic missile.
 - **Trishul**: Short range low level surface to air missile.
 - **Nag**: 3rd generation anti-tank missile.

2. Answer: A

Explanation

- **Statement 1 is correct**: It is the **largest rainforest** in the world and is located in **South America**.
- **Statement 2 is incorrect**: **Nearly 60 percent** of the Amazon rainforest is located in **Brazil**.
- Despite covering only around **1% of the planet's surface**, the Amazon rainforest is **home to an estimated 10% of the world's known species**, including diverse plant, animal, insect, and microbial life.
- The Amazon rainforest plays a **critical role in climate regulation** by absorbing and storing vast amounts of carbon dioxide, helping to mitigate climate change. It is often referred to as '**Lungs of the Planet**'.

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- **Statement 3 is incorrect:** The **Amazon River** which runs through the Amazon rainforest is the **world's second longest river** after the Nile. It is also the **world's largest by water volume**.

Threats in Amazon

- **Illegal activities**, such as **logging** and **land encroachment**, contribute to deforestation and habitat loss in the Amazon.
- **Changing climate patterns**, including extreme weather events and longer dry seasons, are affecting the health of the rainforest, making it more susceptible to **fires** and **drought**.
- **Roads, dams, and other infrastructure projects** fragment habitats and open up previously inaccessible areas for exploitation.

3. Answer: A

Explanation

- **Statement 1 and 2 are correct:** The **Ministry of Petroleum & Natural Gas** launched PMUY to release **deposit free LPG connections** in the name of **adult women members of poor households** across the country.
- Launched in **2016**, the primary objective of the PMUY is to **provide access to clean cooking fuel LPG** to poor households thereby protecting their health by reducing the serious health

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hazards associated with use of conventional cooking fuel such as firewood, coal, cow dung etc.

- Under the scheme, **cash assistance of Rs. 1600** is given to the beneficiaries to get a deposit-free new connection.
- Additionally, all PMUY beneficiaries will be provided with **first LPG refill and stove (hotplate) both free of cost** by the Oil Marketing Companies (OMCs).
- A **targeted subsidy of Rs.300** per LPG cylinder for upto 12 refills per year is also provided to PMUY consumers.

Beneficiaries

- Initially, the beneficiaries were identified through Socio Economic Caste Census (SECC), 2011 data.
- **Statement 3 is incorrect:** The **scope of PMUY was later expanded to cover all the poor families in the country** subject to fulfilling the terms and conditions.

4. Answer: A

Explanation:

- **Statement 1 is correct:** The Competition Commission of India (CCI) is a **statutory body** established under the **Competition Act, 2002** for the administration, implementation and enforcement of the Act.
- The following are the objectives of the Commission.
 - To prevent practices having adverse effects on competition. **Hence, statement 2 is correct.**
 - To promote and sustain competition in markets.
 - To protect the interests of consumers and
 - To ensure freedom of trade
- CCI consists of a Chairperson and 6 Members appointed by the Central Government.
- **Statement 3 is incorrect:** The Monopolies and Restrictive Trade Practices Act, 1969 [MRTP Act] repealed and was replaced by the Competition Act, 2002.

5. Answer: A

Explanation

- The agricultural revolution refers to the **significant change in agriculture that occurs when there are discoveries, inventions** or new technologies implemented. These changes

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have positive implications on production and **increase the production rate**. The concept of '**Rainbow revolution**' was instituted to increase agricultural production through an **integral development programme** of agriculture, horticulture, forestry, sugarcane, fishery, poultry and animal husbandry.

Agricultural revolutions in India

- Green Revolution Food grain Production
- **Golden Revolution** Fruit Production
- **Grey Revolution** Fertilizer Production
- **Blue Revolution** Fish Production
- Golden Fiber Revolution Jute Production
- Black Revolution Petroleum Production
- Pink Revolution Prawn Production
- **Round Revolution** Potato Production
- Red Revolution Meat/Tomato Production
- Silver Revolution Egg/Poultry Production
- White Revolution Milk Production
- **Yellow Revolution** Oil seeds Production