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Daily MCQs: 10-02-2025

1. Indravati National Park, recently seen in news, is present in which of the following states?

- A. Uttarakhand
- B. Maharashtra
- C. Tamil nadu
- D. Chattisgarh

2. Consider the following statements about the National Tiger Conservation Authority (NTCA).

- 1. It was created under the provisions of Environment (Protection) Act, 1986 for strengthening tiger conservation.
- 2. Addressing livelihood interests of local people in areas surrounding Tiger Reserves is one of the objectives of this authority.

Which of the above statements is/are correct?

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

3. Su-57 and F 35 Lightning II, recently seen in news, refers to which of the following?

- A. Fifth generation Fighter Jets.
- B. High Speed Railway systems.
- C. Intercontinental Ballistic missile systems.
- D. Energy efficient passenger Jets.

4. Consider the following statements about Mohiniyattam

- 1) It is a classical dance form originating from the state of Kerala.
- 2) It follows the Lasya style described in Natya Shastra.

Which of the statements given above is/are correct?

- A. 1 only
- B. 2 only

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- C. Both 1 and 2
- D. Neither 1 nor 2

5. Consider the following statements in relation to PM-KUSUM Scheme

1. It's aimed at promoting the use of solar energy among farmers and reducing their dependence on diesel-powered agricultural pumps.
2. It was launched by the Ministry of Agriculture and Farmers' Welfare.

Which of the statements given above is/are correct?

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

Solutions:

1. Answer: D

Explanation:

- **Indravati National Park** is a national park located in **Bijapur district of Chhattisgarh** state of India. **Hence, option D is correct.**
- It is home to one of the last populations of rare wild buffalo. Indravati National Park is the finest and most famous wildlife park of Chhattisgarh.
- It is one among the **two project tiger sites in Chhattisgarh** along with Udanti-sitanadi.
- The park derives its name from the **Indravati River**, which flows from east to west and forms the northern boundary of the reserve with the Indian state of Maharashtra.
- With a total area of approximately 2799.08 sq. kms, Indravati attained the status of a **national park in 1981** and a **tiger reserve in 1983** under the famous Project Tiger initiative.

2. Answer: B

Explanation:

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National Tiger Conservation Authority (NTCA):

- The National Tiger Conservation Authority (NTCA) was established in **2005** as a **statutory body** under the **Wildlife (Protection) Act, 1972** for strengthening tiger conservation. **Hence, statement 1 is incorrect.**
- The **Minister for Environment, Forest and Climate Change** acts as the **Chairperson** of NTCA.
- The objectives of NTCA are:
 1. Providing **statutory authority to Project Tiger** so that compliance of its directives becomes legal;
 2. **Fostering accountability of Center-State in management of Tiger Reserves;**
 3. Providing for an **oversight by Parliament;**
 4. **Addressing livelihood interests of local people** in areas surrounding Tiger Reserves. **Hence, statement 2 is correct.**

3. Answer: A

Explanation

- Two of the **most advanced fifth-generation fighter jets in the world – Russia’s Su-57 and the United States’ F-35 Lightning II** will debut at this edition of **Aero India 2025**.
- This marks the first time that these state-of-the-art fighter jets will be presented together and provides an unprecedented opportunity to compare Eastern and Western military aviation technologies.

4. Answer: C

Explanation

- **Statement 1 is correct:** Mohiniyattam is a **classical dance form** originating from the state of **Kerala**.
- It is traditionally a **solo dance** performed by women after extensive training.
- The dance gets its name from **Mohini** – the female enchantress avatar of the Hindu deity Vishnu.
- The roots of Mohiniyattam are in the **Natya Shastra** (the **ancient Hindu Sanskrit text on performance arts**)
- **Statement 2 is correct:** It follows the **Lasya style** described in **Natya Shastra**, ie, a dance which is **delicate and feminine**.

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- It comprises **delicate footsteps, undulating body movements, and subtle yet poignant facial expressions.**
- Mohiniyattam emotes a play through **dancing and singing**, where the **language** of the song texts is **Manipravala**, a mixture of **Malayalam** and **Sanskrit**.
- The musical instruments usually used in Mohiniyattam are **Mridangam** or **Madhalam** (barrel drum), **Idakka** (hourglass drum), **flute, Veena**, and **Kuzhitalam** (cymbals).

5. Answer: A

Explanation

- The **Pradhan Mantri Kisan Urja Suraksha evam Utthan Mahabhiyan (PM KUSUM) Scheme** was launched in 2019 for installation of solar pumps and grid connected solar and other renewable power plants in the country. Thus it's aimed at **promoting the use of solar energy among farmers** and reducing their dependence on diesel-powered agricultural pumps. Hence **statement 1 is correct.**
- It was launched by the **Ministry of New and Renewable Energy. Hence statement 2 is incorrect.**
- Under the Kusum scheme farmers, panchayats, co-operative societies can apply to plant a solar pump. The total cost involved in this scheme is divided into three categories in which the Government will help farmers.
- Government will provide a subsidy of 60% to farmers and 30% of the cost will be given by the Government in the form of loans. Farmers will only have to give 10% of the total cost of the project. The electricity generated from the solar panel can be sold by the farmers.
- The scheme consists of three components:
 - **Component-A:** 10,000 MW of Decentralized Ground Mounted Grid Connected Renewable Power Plants.
 - **Component-B:** Installation of 17.50 lakh standalone Solar Powered Agriculture Pumps.
 - **Component-C:** Solarisation of 10 Lakh Grid-connected Solar Powered Agriculture Pumps.

Benefits of the Scheme:

- The Scheme will have **substantial environmental impact in terms of savings of CO2 emissions.** All three components of the Scheme combined together are likely to result in saving about 27 million tonnes of CO2 emission per annum.
- Further, Component-B of the Scheme on standalone solar pumps may result in saving of 1.2 billion liters of diesel per annum and associated **savings in the foreign exchange** due to reduction of import of crude oil.

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- The scheme has direct employment potential. Besides increasing self-employment the proposal is likely to generate employment opportunities equivalent to 6.31 lakh job years for skilled and unskilled workers.



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