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Daily MCQs: 11-09-2024

1. Consider the following statements about PM-WANI scheme

- 1) It aims at setting up Public Wi-Fi Networks by Public Data Office Aggregators (PDOAs).
- 2) There shall be no license fee for providing Broadband Internet through these public Wi-Fi networks.

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

2. 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

3. Consider the following statements about the Index of Industrial Production (IIP)

- 1) The Eight Core Industries comprise more than 50 per cent of the weight of items included in the IIP.
- 2) It is compiled and published annually by the National Statistical Office (NSO).

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

4. Which of the following is used by MRI to generate images of the body?

- A. Ionizing radiation
- B. X-rays
- C. Radio waves and a strong magnetic field
- D. Ultrasound

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5. 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
- C. Both 1 and 2
- D. Neither 1 nor 2

Solutions:

1. Answer: C

Explanation

- **Prime Minister's Wi-Fi Access Network Interface (PM-WANI)** aims at setting up Public Wi-Fi Networks by Public Data Office Aggregators (PDOAs). Hence **statement 1 is correct**.
- The objective is to provide public Wi-Fi service through Public Data Offices (PDOs) spread across the length and breadth of the country.
- The project will accelerate proliferation of Broadband Internet services through the Public Wi-Fi network in the country.
- There shall be no license fee for providing Broadband Internet through these public Wi-Fi networks. Hence **statement 2 is correct**.

Benefits:

- The proliferation of public Wi-Fi will not only create employment but also enhance disposable incomes in the hands of small and medium entrepreneurs and boost the GDP of the country.
- Availability and use of Broadband will enhance incomes, employment, quality of life, ease of doing business etc.

About Wi-Fi

- **Wi-Fi, or Wireless Fidelity**, is a wireless networking technology that gives internet access to devices like desktop computers, laptops, mobile phones, smart TVs etc.
- It uses **radio frequencies**, or **radio waves**, in frequency bands 2.4GHz to 5GHz to communicate between devices.

2. 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.

3. Answer: D

Explanation

- The Index of Industrial Production (IIP) is a composite indicator that measures the **short-term changes in the volume of production** of a basket of industrial products during a given period with respect to that in a chosen base period.
- **Mining, manufacturing, and electricity** are the three broad sectors in which IIP constituents fall.
- **Statement 2 is incorrect:** It is **compiled and published every month** by the **National Statistical Office (NSO)** under the **Ministry of Statistics and Programme Implementation**.
- The current base year is **2011-2012**.
- **Statement 1 is incorrect:** The Eight Core Industries comprise 40.27 per cent of the weight of items included in the IIP.

4. Answer: C

Explanation

- A Magnetic Resonance Imaging (MRI) scanner is a medical device that uses a **strong magnetic field and radio waves** to generate detailed images of the inside of the body, particularly the soft tissues like the brain, muscles, and organs.
- **MRI does not use ionizing radiation.**

Functioning of MRI

- The strong magnetic field created by the MRI scanner causes the **atoms in your body to align in the same direction**.
- **Radio waves** are then sent from the MRI machine and **move these atoms** out of the original position.
- As the radio waves are turned off, the **atoms return to their original position and send back radio signals**.

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- These signals are received by a computer and converted into an image of the part of the body being examined.

5. 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**.
- 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).