



Daily Current Affairs Prelims Quiz 10-06-2023 (Online Prelims Test)

1) Consider the following statements with respect to Payment System Operators (PSOs)

1. A PSO is a mechanism used by merchants to accept debit or credit card purchases from customers.
2. Google Pay, Amazon Pay, Paytm are the examples of PSO.

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

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : b

Recently Reserve Bank of India released the draft Master Directions on Cyber Resilience and Digital Payment Security Controls for Payment System Operators.

Payment System Operator (PSO)

- A payment system operator means a legal entity responsible for operating a payment system.
- The PSO provides services by operating on certain models.
- They largely *outsource their payment and settlement-related activities* to various other entities.
- Examples of PSOs include Google Pay, Amazon Pay, Paytm etc.
- PSOs in India also includes

<ul style="list-style-type: none">• Clearing Corporation of India• National Payments Corporation of India• Cards Payment Networks• Cross border Money Transfer• ATM networks	<ul style="list-style-type: none">• Prepaid Payment Instruments• White Label ATM Operators Instant Money Transfer• Trade Receivables Discounting System• Bharat Bill Payment System
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- According to the Payment and Settlement Systems Act 2007, **Payments Regulatory Board**, constituted by the RBI, regulates and supervises the payment systems.

2) Consider the following pairs

Lunar Missions

Countries

1. Danuri Mission - South Korea
2. Hakuto R Mission - Japan
3. Luna 25 - Russia
4. Artemis - USA

How many of the pairs given above are correct?

- a. Only one

- b. Only two
- c. Only three
- d. All four

Answer : d

Recently the china sent its first civilian into space intensifying the moon race between USA and china.

Recent lunar missions in 2022 and planned missions

 <p>South Korea</p> <p>Danuri mission</p> <p>Mission: Orbiter will study moon from January 2023 after entering lunar orbit Launch: Aug. 2022</p>	 <p>Japan</p> <p>ispace's Hakuto-R Mission</p> <p>Mission: UAE rover and Japanese payload on a lander; crash-landed Launch: Dec. 2022</p>	 <p>India</p> <p>Chandrayaan-3</p> <p>Mission: Lunar exploration with a landing module and rover Launch: June 2023</p>
 <p>Russia</p> <p>Luna 25</p> <p>Mission: Sample gathering from southern pole Launch: July 2023</p>	 <p>U.S.A</p> <p>Artemis II</p> <p>Mission: Crewed mission to the moon Launch: 2024</p>	 <p>China</p> <p>Unnamed</p> <p>Mission: Crewed mission to the moon Launch: By 2030</p>

- International Lunar Research Station (ILRS) is a joint venture **agreement between Russia and china** for the peaceful exploration and use of the Moon.

Artemis Accords

- Artemis accords also called as open sky treaty is non-binding in nature which is led by USA.



3) Consider the following statements with respect to Sagar Samriddhi

1. It is a new online dredging monitoring system which replaces the old system of Draft & Loading Monitor (DLM) system.
2. It is developed by National Institute of Ocean Technology (NIOT).

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

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : a

Recently Union Minister of Ports, Shipping & Waterways (MoPSW) launched 'Sagar Samriddhi'.

Sagar Samriddhi

- It is an *online dredging monitoring system* which helps to accelerate 'Waste to Wealth' initiative of the Ministry of shipping.
- Sagar Samriddhi will bring in synergy among *multiple input* reports and produces real time dredging report.
- Sagar Samriddhi is developed by **National Technology Centre for Ports, Waterways and Coasts (NTCPWC)**.
- Sagar Samriddhi will bring in more transparency and efficiency in the overall dredging system.
- Sagar Samriddhi is in conducive to the mantra 'ZERO DEFECT and ZERO EFFECT' said by Prime Minister Narendra Modi.

National Technology Centre for Ports, Waterways and Coasts (NTCPWC)

- NTCPWC is a *technological arm* of Ministry of Ports, Shipping & Waterways (MoPSW).
- NTCPWC was established under the Sagarmala Programme of MoPSW.
- The aim of the centre is to enable research & development for the marine sector, enabling solutions towards achieving the ultimate goal of *building a robust marine industry* in the country.
- This state-of-the-art centre has world class capabilities for undertaking the 2D & 3D investigations of research.

4) Consider the following statements with respect to Spinoza Prize

1. It is the highest distinction in Dutch science and also known as 'Dutch Nobel Prize'.
2. Recently Indian-origin scientist Joyeeta Gupta was awarded 'Dutch Nobel Prize' for her research on just and sustainable world.

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

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : c

Recently Indian-origin scientist Joyeeta Gupta was awarded the Spinoza Prize.

- The prize is named after Baruch Spinoza (1632-1677) and is awarded annually **since 1995**.
- Baruch Spinoza was an internationally renowned Dutch scientist and a clear example of freedom in research.
- Spinoza prize also called as 'Dutch Nobel Prize' is the **highest award in Dutch** academia.
- It is *awarded every year* to researchers working in the Netherlands who according to international standards belong to the absolutely best researchers worldwide.
- The prize includes **1.5 million euros** which should be spend on scientific research and activities related to knowledge utilisation.
- Spinoza prize for the year 2023 was awarded to Joyeeta Gupta for her work on a **just and sustainable world**.
- Joyeeta Gupta is also *co-chair of the Earth Commission* founded by Future Earth and supported by the Global Challenges Foundation.
- Core of her research is an attempt to unravel the connections between the climate crisis, global water challenges, possible solutions and justice.
- *Justice for both people and the planet* is the common thread in Joyeeta's work.

5) Consider the following statements with respect to Agni Prime

1. It is a three stage cruise missile that uses solid propellant.
2. It has a range of around 5000 kilometres and is capable of carrying a nuclear warhead.
3. It is equipped with advanced ring-laser gyroscopes for accuracy.

How many of the statements given above are correct?

- a. Only one
- b. Only two
- c. All Three
- d. None

Answer : a

Recently 'Agni Prime' ballistic missile was successfully flight-tested by DRDO.

- The Agni P missile is developed by India's **DRDO**.
- It is a **two-stage** ballistic missile that uses solid propellant and is stored in a canister, which means that it can be stored in a **canister** and transported by road or rail.
- It has a range of 2,000 kilometres and can carry a nuclear warhead.
- It is *capable of manoeuvring at the point* of entry into the earth's atmosphere, making it more difficult to intercept.
- It is the latest in a series of nuclear missiles developed by India.
- It uses a combination of *inertial guidance and GPS guidance*.
- It uses advanced *ring-laser gyroscopes* which are more accurate for **detection of location and trajectory tracking of the missile**.



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