

Q: Consider the following statement regarding National Logistic Portal (marine) (NLP):

1. It is an “open platform” that allows multiple service providers to provide EXIM-related services.
2. It aims to reduce regulatory complexities and enhance the ease of doing business.
3. It fails to integrate with various Port Operating Systems

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: a

Explanation:

- National Logistic Portal (marine) (NLP) is an “open platform” that allows the coexistence of multiple service providers to provide EXIM-related services independently or by combining different connectivity options.
- It has the capability to integrate with various Port Operating Systems/ Terminal Operating Systems, ICEGATE, Other regulatory agencies, and stakeholder(s) systems in the ecosystem.
- It aims to reduce regulatory complexities and enhance the ease of doing business by moving towards user-friendly paperless trade.
- This will be accomplished by utilizing the prowess of IT infrastructure to develop a single window, centralizing all necessary documentation, compliance certifications, and formal procedures necessary for the EXIM trade.

Q: Consider the following statement:

1. Volatiles are elements or compounds that change from vapour state into liquid state at high temperature.
2. Meteorites from inner Solar System known as non-carbonaceous meteorites.
3. Meteorites from outer Solar System known as carbonaceous meteorites.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: b

Explanation:

- Volatiles are elements or compounds that change from solid or liquid state into vapour at relatively low temperatures.
- They include the six most common elements found in living organisms, as well as water. As such, the addition of this material will have been important for the emergence of life on Earth.
- To carry out the study, the researchers examined 18 meteorites of varying origins – eleven from the inner Solar System, known as non-carbonaceous meteorites, and seven from the outer Solar System, known as carbonaceous meteorites.
- For each meteorite they measured the relative abundances of the five different forms or isotopes of zinc. They then compared each isotopic fingerprint with Earth samples to estimate how much each of these materials contributed to the Earth’s zinc inventory.

Q: Consider the following statement regarding Reusable Launched Vehicle:

1. Its configuration is the same as that of an aircraft.
2. It is designed to carry out hypersonic flight, autonomous landing, and powered cruise flight.

Choose the correct option from the codes given below:

- a) 1 Only
- b) 2 Only
- c) 1 and 2

d) None of the above

Ans: c

Explanation:

- The RLV's configuration is the same as that of an aircraft and combines the complexity of both launch vehicles and aircraft.
- The winged RLV-TD has been configured to act as a flying test bed to evaluate various technologies, namely, hypersonic flight, autonomous landing, and powered cruise flight.
- The system consists of a fuselage (body), a nose cap, double delta wings, and twin vertical tails along with symmetrically placed active control surfaces called Elevons and Rudder.
- A conventional solid booster (HS9) designed for a low burn rate pushes the system to a speed of Mach 5 (five times the speed of sound.)

Q: Consider the following statement regarding exercise “Veer Guardian 2023”:

1. The exercise was conducted between the Indian Air Force (IAF) and Japan Air Self Defence Force (JASDF).
2. It aims to provided the two Air Forces with an opportunity to enhance mutual understanding.
3. This enabled the participating contingents to obtain an invaluable insight into each other's best practices.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: d

Explanation:

- The inaugural edition of the bilateral air exercise 'Veer Guardian 2023' between the Indian Air Force (IAF) and Japan Air Self Defence Force (JASDF) concluded in Japan recently.
- Exercise 'Veer Guardian 2023' provided the two Air Forces with an opportunity to enhance mutual understanding.
- This enabled the participating contingents to obtain an invaluable insight into each other's best practices and learn from each other's unique capabilities.

Q: The Centre recently notified three grievances appellate committees that will address users' complaints against social media and other internet-based platforms. Consider the following statement:

1. The first panel will be chaired by the chief executive officer of the Indian Cyber Crime Coordination Centre.
2. The second panel will be chaired by the joint secretary in charge of the Policy and Administration Division.
3. The third panel will be chaired by PMO.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: a

Explanation:

- The first panel will be chaired by the chief executive officer of the Indian Cyber Crime Coordination Centre under the Ministry of Home Affairs.
- The second panel will be chaired by the joint secretary in charge of the Policy and Administration Division in the Ministry of Information and Broadcasting.
- The third panel will be chaired by Kavita Bhatia, a senior scientist at the Ministry of Electronics and Information Technology.

