

Q: Consider the following statement:

1. G1' mission of ISRO is aimed at validating the performance of Human rated launch vehicle.
2. ISRO conducted the **Integrated Main Parachute Airdrop Test (IMAT)** of its crew.
3. In G2 mission, human space flight is to be conducted.

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 uncrewed 'G1' mission is targeted to be launched in the last quarter of 2023 followed by the second uncrewed 'G2' mission in the second quarter of 2024, before the final human space flight 'H1' mission in the fourth quarter of 2024.
- The first uncrewed flight of Gaganyaan programme i.e., 'G1' mission is aimed at validating the performance of Human rated launch vehicle, Orbital module propulsion system, mission management, communication system and recovery operations. The mission will carry a humanoid as payload.
- ISRO in November 2022 conducted the **Integrated Main Parachute Airdrop Test (IMAT)** of its crew module deceleration system.
- The test was conducted at the Babina Field Fire Range (BFFR) in the Jhansi district of Uttar Pradesh during which a 5-ton dummy mass, equivalent to the Crew module mass, was taken to an altitude of 2.5 kilometers and dropped using the Indian Air force's IL-76 aircraft.
- The test simulated a unique situation when one main parachute failed to open.

Q: Consider the following statement:

1. GRC address gender issues under Mission Shakti.
2. Gender Resource Centers (GRCs) are run and managed by Cluster Level Federations.
3. Government is setting up Hub for Empowerment of Women (HEW) at National, State and District levels.

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:

- Gender Resource Centers (GRCs) are run and managed by Cluster Level Federations (CLFs) or by Block Level Federations (BLFs), as per the local context. GRC is the apex institutional structure in the institutional mechanism to address gender issues under DAY-NRLM.
- Recognising the need for a single window system for inter- sectoral convergence of schemes and programs meant for women, the Government is setting up Hub for Empowerment of Women (HEW) at National, State and District levels under 'Samarthya' sub-scheme of 'Mission Shakti, an Umbrella Scheme for safety, security and empowerment of women.

Q: Consider the following statement regarding Multi-State Co-operative Societies (Amendment) Bill, 2022:

1. It seeks to bring transparency and accountability in cooperative societies.
2. The bill also seeks to strengthen governance, reform the electoral process.

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 Multi-State Co-operative Societies (Amendment) Bill, 2022, which seeks to bring transparency and accountability in the sector, was introduced in Lok Sabha on December 7 and opposition members had demanded that it be referred to a standing committee for review.
- The bill also seeks to **strengthen governance, reform the electoral process**, improve the monitoring mechanism, and ensure ease of doing business in multi-state co-operative societies.

Q: Consider the following statement regarding Anti-Piracy Bill:

1. India did not have a domestic anti-piracy law on the books.
2. The jurisdiction of the bill applies to the waters adjacent to or beyond India's Exclusive Economic Zone (EEZ).
3. The bill defines piracy as "any illegal act of violence, detention, or destruction committed against a ship."

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:

- Recently, the Parliament passed a bill which provides for prevention of maritime piracy and stringent punishment to those convicted of such crimes.
- The Rajya Sabha passed the Maritime Anti-Piracy Bill 2022 by voice vote.
- Before the passage of this bill, India did not have a domestic anti-piracy law on the books. The country used sections of the Indian Penal Code (IPC) to prosecute those accused of piracy.
- However, this came with jurisdictional problems as those codes only applied to India's territorial waters that extend only 12 nautical miles from India's coast.
- The bill defines piracy as "any illegal act of violence, detention, or destruction committed against a ship, aircraft, person or property, for private purposes, by the crew or passengers of a private ship or aircraft".
- The jurisdiction of the bill applies to the waters adjacent to or beyond India's Exclusive Economic Zone (EEZ), which stretches about 200 nautical miles from India's coast.

Q: Consider the following statement regarding INS Mormugao:

- a) The warship 'Yard 12705', named after the Goan port city of Mormugao.
- b) The destroyer has combat capabilities which include surface-to-surface missiles, surface-to-air missiles and modern surveillance radar.

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:

- In a boost to the country's maritime capabilities, INS Mormugao has officially joined the Indian Navy's fleet.
- The warship 'Yard 12705', named after the Goan port city of Mormugao, is the second of the four Visakhapatnam-class destroyers being built under the Indian Navy Project 15B, or P15B.
- The destroyer has multi-dimensional combat capabilities which include surface-to-surface missiles, surface-to-air missiles and modern surveillance radar.