

**Q: Consider the following statement regarding Project 75:**

1. It is an indigenous construction of submarines of Scorpene design.
2. Kalvari, Khanderi, Karanj and Vela are scorpene design submarine already commissioned by Indian Navy.
3. Sindhughosh is the fifth scorpene class submarine to be commission by Indian Navy.

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 Project-75 includes indigenous construction of six submarines of Scorpene design.
- The submarines are being constructed at Mazagon Dock Shipbuilders Limited (MDL), Mumbai under a collaboration with the Naval Group of France.
- Four Submarines of the ongoing Project-75 Scorpene programme at MDL, Kalvari, Khanderi, Karanj and Vela have been commissioned into the Indian Navy.
- The fifth submarine Vagir is being commissioned today, whilst the sixth and last submarine 'Vagsheer' will also undergo sea trials after launching.

**Q: Consider the following statement regarding “Scorpene Submarine”:**

1. They lack stealth features.
2. It can undertake various types of missions.
3. They have advanced Permanent Magnetic Synchronous motor (PERMASYN) as its propulsion motor.

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:

- Scorpene submarines can undertake various types of missions i.e anti-surface warfare, anti-submarine warfare, intelligence gathering, mine laying, area surveillance etc.
- The Scorpene submarines are extremely potent platforms. They have advanced stealth features and are also equipped with long range guided torpedoes as well as anti-ship missiles. They also have a state of the art SONAR and sensor suite permitting outstanding operational capabilities.
- In addition, they also have advanced Permanent Magnetic Synchronous motor (PERMASYN) as its propulsion motor.

**Q: Consider the following statement regarding “Leopard Tank”:**

1. The tank features night-vision equipment.
2. The tank is used by US army.
3. It has a laser range finder that can measure distance to an object, enabling it to better aim at a moving target.

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: c

Explanation:

- The Leopard 2 is one of the world’s leading battle tanks, used by the German Army for decades and by the militaries of more than a dozen other European nations, as well as by the armies of countries as far apart as Canada and Indonesia. It has seen service in conflicts in Afghanistan, Kosovo and Syria.
- The tank, which is powered by a diesel engine, features night-vision equipment and a laser range finder that can measure distance to an object, enabling it to better aim at a moving target while traveling over rough terrain.
- There are multiple iterations of the Leopard 2 with different features and designs.

**Q: Consider the following statement:**

1. The term 'chargesheet' has been defined under Section 173 of the CrPC.
2. FIR, has not been defined in either the Indian Penal Code (IPC) or the CrPC.
3. An FIR does not decide a person's guilt but a chargesheet is complete with evidence

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 term 'chargesheet' has been expressly defined under Section 173 of the CrPC but 'First Information Report' or FIR, has not been defined in either the Indian Penal Code (IPC) or the CrPC. Instead, it finds a place under the police regulations/ rules under Section 154 of CrPC, which deals with 'Information in Cognizable Cases'.
- While the chargesheet is the final report filed towards the end of an investigation, an FIR is filed at the 'first' instance that the police is informed of a cognizable offense or offence for which one can be arrested without a warrant; such as rape, murder, kidnapping.
- Further, an FIR does not decide a person's guilt but a chargesheet is complete with evidence and is often used during the trial to prove the offenses the accused is charged with.

**Q: Consider the following statement:**

1. World Bank estimates that nearly \$840 billion (₹70 lakh crore) would be needed for investment in urban India.
2. Smart City mission, AMRUT and PMAY are some of the urban flagship programme of Government of India.
3. Contribution of Public-private partnership projects in urban flagship programme contributes to 15% of the total investment.

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 World Bank estimates that nearly \$840 billion (₹70 lakh crore) would be needed for investment in urban India to meet the growing demands of the population, and \$55 billion would be required annually.
- The flagship programmes of the government, the Smart City mission, the Atal Mission for Rejuvenation and Urban Transformation (AMRUT), the Pradhan Mantri Awas Yojana (PMAY), etc., are not more than ₹2 lakh crore (that too for a period of five years).
- After three decades of reforms, urban finance predominantly comes from the government. Of the finances needed to fund urban capital expenditures, 48%, 24% and 15% are derived from the central, State, and city governments, respectively. Public-private partnership projects contribute 3% and commercial debt 2%.