

Q: Recently, the Airports Authority of India (AAI) and LFV Air Navigation Services of Sweden signed a Memorandum of Understanding. Consider the following:

1. Airspace Design and Planning
2. Digitalized Airport and Aviation
3. Training in Air Defence System.

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:

AAI and LFV, both Government agencies of India and Sweden respectively, will jointly collaborate on the following co-operation areas:

- Air Traffic Management
- Air Traffic Control
- Remote Airport Management and Traffic Control
- Airspace Design and Planning
- Airport Design and Infrastructure
- Digitalized Airport and Aviation
- Capability and Training
- Sustainable Airports and Aviation
- Processes for pilots
- Processes for scale-up

Q: Consider the following statement regarding “Zorawar”:

1. The Indian Army is planning to induct MANPADS, ‘Zorawar’.
2. It has been designed to operate in high-altitude areas, marginal terrains to the island territories.
3. This will have in-built niche technologies, including AI and active protection system.

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:

- The Indian Army is planning to induct indigenous light tanks ‘Zorawar’ in the next few years, in a bid to sharpen its mountain warfare prowess.
- Indian Light Tank Zorawar has been designed to operate in high-altitude areas, marginal terrains to the island territories and will be “highly transportable for rapid deployment to meet any operational situation”.
- This will have in-built niche technologies, including AI, drone integration, active protection system, and a high degree of situational awareness, adding that it will boost the government’s Atmanirbhar Bharat initiative.

Q: Consider the following statement regarding why SWARM drone is necessary for India:

1. It can act as a force multiplier in military operation.
2. It can be employed in both offensive and defensive operations.

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 drone technology has proved to be a force multiplier in military operations, adding that the application of swarm drones in various recent conflicts across the world especially in Armenia, Azerbaijan, Syria and strikes on oilfields in Saudi Arabia and the recent Russia-Ukraine conflict underlined the potency of this technology.
- Taking note of the security situation at the northern and western borders of India, induction of swarm drones will provide tactical commanders with surveillance inputs and they can engage varied targets such as artillery and air defence equipment and enemy command and control centres.
- It can be employed in both offensive and defensive operations, providing a decisive edge to the tactical commanders employing them.

Q: Consider the following statement regarding La Nina:

1. It takes place due to the cooling of surface ocean water on the tropical west coast of South America.
2. It can be described as a counterpart to El Nino.
3. The combined phases of La Nina and El Nino are termed as El Nino-Southern Oscillation (ENSO).

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:

- La Nina is a climate phenomenon that takes place due to the cooling of surface ocean water on the tropical west coast of South America.
- It can be described as a counterpart to El Nino, which involves the warming of ocean currents in the equatorial Pacific Ocean.
- The combined phases of La Nina and El Nino are termed as El Nino-Southern Oscillation (ENSO) that affect rainfall patterns, global atmospheric circulation and atmospheric pressure across the planet.

Q: Consider the following statement regarding AFSPA:

1. Justice B.P. Jeevan Reddy Commission that was tasked with reviewing the provisions of AFSPA.
2. He recommended that AFSPA should not be withdrawn.

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: a

Explanation:

- The Justice B.P. Jeevan Reddy Commission that was tasked with reviewing the provisions of AFSPA submitted its report on June 6, 2005 with the recommendation that AFSPA be withdrawn.
- Surprisingly, it had suggested making amendments to the Unlawful Activities (Prevention) Act, 1967 (UAPA) to achieve the purpose of AFSPA. The report was subsequently shelved.