

Q: Consider the following statement regarding United Nations Convention against Transnational Organised Crime (UNTOC):

1. It is also known as the Palermo Convention.
2. It enables cooperation between member states for tackling international organized crime.
3. The nodal agency for all dealings with UNTOC is National Investigating Agency (NIA).

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:

United Nations Convention against Transnational Organised Crime (UNTOC)

- The Convention against Transnational Organized Crime or UNTOC is also known as the Palermo Convention since it was adopted in Palermo in Italy in 2000.
- The convention entered into force in 2003 after the required number of ratifications.
- The idea behind having an international convention against organized crime was that if crimes could cross borders, so must law enforcement.
- UNTOC enables cooperation between member states for tackling international organized crime.
- India ratified the UNTOC in 2011 becoming the fourth South Asian country to do so.
- The nodal agency for all dealings with UNTOC is the Central Bureau of Investigation (CBI).

Q: "Operation Dost" is related to

- a) India sending relief package to Ukraine
- b) India sending relief package to Syria and Turkey.
- c) Evacuation of Indian from Ukraine
- d) A joint military exercise between Indian army and Indian Airforce.

Ans: b

Explanation:

- In collaboration with the Indian Army, the government has sent tons of relief material to both Syria and Turkey as part of Operation Dost, which is a program by the Centre to help those in need by earthquake-hit countries.
- Under Operation Dost, India sent to Turkiye relief materials, a mobile hospital, and specialised search and rescue teams in four C-17 Globemaster military transport aircraft to support the country's rescue efforts.

Q: Consider the following statement regarding Skye UTM:

1. It is a Cloud-based aerial traffic management system.
2. It has been built towards providing situational awareness, autonomous navigation and risk assessment.

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:

- Skye UTM is a Cloud-based aerial traffic management system that integrates unmanned air traffic with the manned aviation airspace.
- Skye UTM has been built towards providing situational awareness, autonomous navigation, risk assessment, and traffic management to all drone/other aerial mobility operators across the airspace.

Q: Consider the following statement regarding Water Survival Test Facility:

1. It provides realistic training of aircrew for escape from a ditched aircraft under varied simulated.
2. It simulates different sea state conditions.
3. These trials assist in validating the training recovery teams as well as the flight crew.

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:

- Water Survival Test Facility (WSTF) is a state-of-the-art facility of the Indian Navy that provides realistic training of aircrew for escape from a ditched aircraft under varied simulated conditions and crash scenarios.
- WSTF simulates different sea state conditions, environmental conditions, and day/night conditions.
- These trials assist in validating the SoP, and training recovery teams as well as the flight crew. The feedback from the recovery team/trainers helps improve the recovery operations SoP, design various recovery accessories, and finalize the training plan.

Q: Consider the following statement regarding Blue Credit:

1. It allows businesses to achieve net-zero greenhouse gas emissions by purchasing carbon credits.
2. Credits will be generated to conserve blue carbon ecosystems.
3. Blue carbon ecosystems include fresh water and glacial water.

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:

- **Blue credits allow businesses to achieve net-zero greenhouse gas emissions** by purchasing carbon credits (removal of one tonne of carbon dioxide from the atmosphere) equivalent to their emissions.
- Credits will be generated to conserve blue carbon ecosystems, such as mangroves, seagrasses and salt marshes, which are known to sequester carbon.
- These models can fetch tangible returns for investors. It also ensures that the regions maintain independence from donors.
- Marine Protected Areas (MPAs) involve the protective management of natural areas for economic resources, biodiversity conservation, and species protection.