

Q: Consider the following statement regarding CORPAT:

1. It will be executed along the International Maritime Boundary Line (IMBL).
2. It helps to enhance the operational synergy by exchange of information for prevention of smuggling.
3. India and Japan have been carrying out this exercise yearly.

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 CORPAT will be executed along the International Maritime Boundary Line (IMBL) from 15 to 16 December 2022 and will conclude with a debrief at Port Blair.
- India and Indonesia have been carrying out CORPATs twice a year since 2002, with an aim of keeping this vital part of the IOR safe and secure for commercial shipping, international trade and conduct of legitimate maritime activities.
- CORPATs help build understanding and interoperability between navies, and facilitate institution of measures to prevent and suppress Illegal Unreported Unregulated (IUU) fishing, drug trafficking, maritime terrorism, armed robbery and piracy.
- It further helps enhance the operational synergy by exchange of information for prevention of smuggling, illegal immigration and for conduct of Search and Rescue (SAR) operations at sea.

Q: Several ministries are working on a “comprehensive plan” for developing tourism circuits along the Ganga. Consider the following statement:

1. Urban Affairs Ministry is taking steps to build organic farming and natural farming corridors.
2. Environment Ministry was scaling up afforestation and scaling up conservation efforts to protect the Gangetic river dolphin.
3. Arth Ganga is harnessing economic potential from the Ganga.

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:

- At a recent meeting, chaired by Union Jal Shakti Minister the thrust of decisions focused on having the Tourism Ministry develop a “comprehensive plan” for **developing tourism circuits along the Ganga** in line with “Arth Ganga,” organic farming and cultural activities.
- Arth Ganga, or harnessing economic potential from the Ganga, follows from a directive by Prime Minister Narendra Modi in December 2019 after chairing a similar meeting of the Ganga taskforce.
- Proceedings of the meeting, suggest that along with developing “tourism circuits” the Ministry was planning exhibitions and fairs in 75 towns along the main stem of the river;
 - the Agriculture Ministry was taking steps to build organic farming and natural farming corridors;
 - the Urban Affairs Ministry was focussed on mapping drains and solid waste management and,
 - the Environment Ministry was scaling up afforestation and scaling up conservation efforts to protect the Gangetic River dolphin.

Q: Consider the following statement:

1. The share of women MPs in Lok Sabha and Rajya Sabha stands at 14.94% and 14.05%, respectively.
2. The average number of women MLAs in Assemblies across the nation accounts for only 8%.

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 the recently held Gujarat Assembly elections, 8.2% of the elected representatives are women, whereas, in Himachal Pradesh, only one woman has been elected this time.
- The share of women MPs in Lok Sabha and Rajya Sabha stands at 14.94% and 14.05%, respectively.
- At the same time, the average number of women MLAs in Assemblies across the nation accounts for only 8%.

Q: Consider the following statement regarding ispace mission:

1. It is the first of a program called Hakuto-R, which means “white rabbit” in Japanese
2. The ispace lunar lander is also carrying two robots produced by Japan’s space agency.
3. The rover of this spacecraft mission is built by the United Arab Emirates.

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 ispace mission is the first of a program called Hakuto-R, which means “white rabbit” in Japanese.
- The lunar lander was expected to touch down on the visible side of the Moon in April 2023, the year of the rabbit in Japan.
- The ispace lunar lander is also carrying two robots produced by Japan’s space agency and a disc with the song “SORATO” by Japanese rock band Sakanaction, which was originally written in support of the Google competition.
- Measuring just over 2 by 2.5 meters, the spacecraft has a payload that includes a 10-kilogram rover built by the United Arab Emirates.

Q: Consider the following statement regarding End-to-End encryption:

1. It is a communication process that encrypts data being shared between two devices.
2. It prevents third parties like cloud service providers and internet service providers (ISPs).
3. It failed to transform standard text into an unreadable format.

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:

- End-to-end encryption is a communication process that encrypts data being shared between two devices. It prevents third parties like cloud service providers, internet service providers (ISPs) and cybercriminals from accessing data while it is being transferred.
- The process of end-to-end encryption uses an algorithm that transforms standard text into an unreadable format. This format can only be unscrambled and read by those with the decryption keys, which are only stored on endpoints and not with any third parties including companies providing the service.