

Q: Recently China tried to get a resolution passed against the AUKUS pact. Consider the following statement:

1. AUKUS is a trilateral security pact between Australia, the United Kingdom and the United States.
2. Australia is now set to join an elite group that operate nuclear-powered submarines.
3. Australia had a civilian nuclear power industry.

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:

- AUKUS is a trilateral security pact between Australia, the United Kingdom and the United States in the Indo-Pacific.
- It aims at providing nuclear submarines to Australia.
- Australia is now set to join an elite group of only six countries; India, the US, the UK, France, Russia and China that operate nuclear-powered submarines.
- It will also be the only country to have such submarines without having a civilian nuclear power industry.

Q: India celebrated the first anniversary of SBM-Urban 2.0 recently. Consider the following statement:

1. Indore bagged the first place for cleanest city in the population less than one lakh category.
2. Patan from Chhattisgarh bagged the second position in the population less than one lakh category.
3. Tirupati received the best city award in Safai Mitra Suraksha.

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:

- India celebrated 8 years of Swachh Bharat Mission and the first anniversary of SBM-Urban 2.0 recently.
- Indore, the city of lakes and palaces, adjudged the Cleanest City title for the sixth consecutive year, in the 'more than 1 lakh population' category, while Surat was adjudged the second cleanest city, for the second time in a row. Navi Mumbai bagged the third spot.
- In the population category of 'less than 1 lakh', Panchgani and Karad from Maharashtra bagged the first and third positions respectively, while Patan from Chhattisgarh bagged the second position.
- Tirupati received the best city award in Safai Mitra Suraksha.

Q: Consider the following statement:

1. Haridwar was ranked the cleanest Ganga town in the category of more than 1 lakh population.
2. Bijnor was ranked the first among Ganga towns with less than one lakh population.

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:

- Haridwar was adjudged the cleanest Ganga town in the category of more than 1 lakh population, followed by Varanasi and Rishikesh.

- Bijnor was ranked the first among Ganga towns with fewer than one lakh population followed by Kannauj and Garhmukhteshwar respectively.

Q: Recently, the Prime Minister of India launched 5G services. Consider the following statement:

1. It is the latest upgrade in the long-term evolution (LTE) mobile broadband networks.
2. It is a global wireless network expected to deliver ultra-low latency.
3. Latency is the amount of time data takes to travel between its source and destination.

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:

- 5G or fifth generation is the latest upgrade in the long-term evolution (LTE) mobile broadband networks.
- 5G is a global wireless network expected to deliver ultra-low latency (the delay users face as data make a round trip), increased reliability, more network capacity and availability.
- 5G services deliver up to 20 GBPS, or gigabytes per second, peak data transfer speeds and 100+ MBPS, or megabytes per second, on average.
- 5G has a latency that is below 5 milliseconds as compared to 60 to 98 ms of 4G. This alone would revolutionise the application of AI, ML and IoT services. Latency is the amount of time data takes to travel between its source and destination.

Q: Which among the following states is not among the main stem Ganga basin states?

- a) Odisha
- b) Bihar
- c) Jharkhand
- d) West Bengal

Ans: a

Explanation:

- Recently, the National Mission for Clean Ganga (NMCG) held the 45th meeting of the Executive Committee.
- It approved 14 projects worth Rs. 1145 crores.
- The approved projects pertain to sewerage management, industrial pollution abatement, biodiversity conservation, afforestation, river front development and decentralized wastewater treatment and include eight projects of sewerage management in five main stem Ganga basin states – Uttarakhand, Uttar Pradesh, Bihar, Jharkhand and West Bengal.