

Que-1 With reference to Anusilan Samity, consider the following statements

- 1- It was a prominent secret revolutionary society operating from Madras in the 20th century.
- 2- Its mission was to overthrow colonial rule and give momentum to India's struggle for freedom.
- 3- It was led by the nationalists Aurobindo Ghosh and his brother Barindra Ghosh, influenced by philosophies like Italian Nationalism, and the Pan-Asianism of Kakuzo Okakura.

Which of the following given above is/are correct

- a) 1 and 2 only b) 3 only
c) 1, 2 and 3 d) 2 and 3 only
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Que-2 Consider the following statements about India's Wind Energy

- 1- India has committed to installing 1,00,000 MW of wind power projects by 2022.
- 2- India has only met two-thirds of its target by 2022.

Which of the following given above is/are correct

- a) 1 only b) 2 only
c) Both 1 and 2 d) Neither 1 nor 2
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Que-3 With reference to Reverse auction, consider the following statements

- 1- Also known as buyer-determined auction or procurement auction.
- 2- It is a type of auction in which the traditional roles of buyer and seller are reversed.

Which of the following given above is/are correct

- a) 1 only b) 2 only
c) Both 1 and 2 d) Neither 1 nor 2
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Que-4 What are among the reasons cited for the dwindling health of the Wind Energy sector

- 1- The cost of large tracts of land required to install wind turbines.
- 2- Change of Wind Pattern due to Global Warming.
- 3- The poor financial health of State electricity distribution companies, who pay wind power project developers for every unit of power sold to them.

Which of the following given above is/are correct

- a) 1 and 2 only b) 1 and 3 only
c) 1, 2 and 3 d) 2 and 3 only
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Que-5 With reference to fiberisation, consider the following statements

1- The process of connecting radio towers with each other via optical fibre cables is called fiberisation.

2- It helps provide full utilisation of network capacity, and carry large amounts of data once 5G services are rolled out.

3- It will also aid in providing additional frequency and stronger backhaul support.

Which of the following given above is/are correct

- a) 1 and 2 only b) 3 only
c) 1, 2 and 3 d) 2 and 3 only

Que-6 Consider the following statements about Snow Leopards

1- Snow leopards have a vast but fragmented distribution across the mountainous landscape of central Asia, which covers different parts of the Himalayas such as Ladakh, Himachal Pradesh, Uttarakhand, and Sikkim.

2- They are largely threatened because of the loss of natural prey species, retaliatory killing due to conflict with humans and illegal trade of its fur and bones.

3- It is listed as Critically endangered on the IUCN Red List.

Which of the following given above is/are correct

- a) 1 and 2 only b) 1 and 3 only
c) 1, 2 and 3 d) 2 and 3 only

Que-7 Consider the following statements about China's space station recently docked Wentian lab module

1- The last of three modules to its permanent space station, Wentian was launched onboard China's most powerful rocket, the Long March 5B from the Wenchang Space Launch Center on the southern island of Hainan.

2- The Wentian is designed for science and biology experiments, and the 23-ton lab module is heavier than any other single-module spacecraft currently in space.

3- China's space program is run by the ruling Communist Party's military wing, the People's Liberation Army.

Which of the following given above is/are correct

- a) 1 and 2 only b) 1 only
c) 1, 2 and 3 d) 2 and 3 only

Que-8 With reference to Medical Termination of Pregnancy (MTP) Act, consider the following statements

1- All women are allowed to get a medical termination of pregnancy before 20 weeks.

2- Only certain categories of women are allowed to have an abortion between 20 and 24 weeks — survivors of rape, minors, and a married woman whose relationship status has altered during this period.

3- Recently Supreme Court of India allowed an unmarried woman to end her pregnancy at 24 weeks.

Which of the following given above is/are correct

- a) 1 and 2 only b) 1 and 3 only
c) 1, 2 and 3 d) 2 and 3 only

ANSWER

- 1- (d)
- Anusilan Samity was a prominent secret revolutionary society operating from Bengal in the 20th century with a mission to overthrow colonial rule and give momentum to India's struggle for freedom.
 - The organisation moved away from its philosophy of violence in the 1920s due to the influence of the Indian National Congress and the Gandhian non-violent movement. A section of the group, notably those associated with Sachindranath Sanyal, remained active in the revolutionary movement, founding the Hindustan Republican Association in north India. A number of Congress leaders from Bengal, especially Subhash Chandra Bose, were accused by the British Government of having links with the organisation during this time.
- 2- (b)
- India has committed to installing 60,000 MW of wind power projects by 2022.
- 3- (c)
- A reverse auction (also known as buyer-determined auction or procurement auction) is a type of

auction in which the traditional roles of buyer and seller are reversed.

- In an ordinary auction also known as a forward auction, buyers compete to obtain goods or services by offering increasingly higher prices. In contrast, in a reverse auction, the sellers compete to obtain business from the buyer and prices will typically decrease as the sellers underbid each other.

4- (b)

- The cost of large tracts of land required to install wind turbines, the limited availability of prime sites that are favourable for cost-efficient wind power projects and the poor financial health of State electricity distribution companies, who pay wind power project developers for every unit of power sold to them, are among the reasons cited for the dwindling health of the sector.

5- (a)

- It will also aid in providing additional bandwidth and stronger backhaul support.
- The process of connecting radio towers with each other via optical fibre cables is called fiberisation.
- It helps provide full utilisation of network capacity, and carry large

amounts of data once 5G services are rolled out. It will also aid in providing additional bandwidth and stronger backhaul support.

- The backhaul is a component of the larger transport that is responsible for carrying data across the network. It represents the part of the network that connects the core of the network to the edge.
- As a result, fibre backhaul remains an important part of transport across all telecoms.
- In India, currently only 33% of the towers are fiberised, compared to the 65%-70% in South Korea and 80%-90% in the U.S., Japan and China, according to a 2021 report by India Infrastructure Research. The fibre kilometer (fkm) per capita in India is lower than other key markets. Ideally, a country needs 1.3 km of fibre per capita to ensure good fiberisation. India's fkm is just .09 compared to 1.35 in Japan, 1.34 in the U.S. and 1.3 in China.

6- (a)

- It is listed as Vulnerable on the IUCN Red List because the global population is estimated to number fewer than 10,000 mature individuals and is expected to decline about 10% by 2040.

- It is threatened by poaching and habitat destruction following infrastructural developments.
- It inhabits alpine and subalpine zones at elevations of 3,000–4,500 m (9,800–14,800 ft), ranging from eastern Afghanistan, the Himalayas and the Tibetan Plateau to southern Siberia, Mongolia and western China. In the northern part of its range, it also lives at lower elevations.

8- (c)

7- (d)

- The second of three modules to its permanent space station, Wentian was launched onboard China's most powerful rocket, the Long March 5B from the Wenchang Space Launch Center on the southern island of Hainan.
- It will be followed by a second lab module, the Mengtian, due to be launched in October. Three astronauts are currently living in the core module on a six-month mission and oversaw the Wentian's arrival and docking.
- It was preceded by the Tianzhou-class cargo spacecraft and the Shenzhou-14 crewed spacecraft. China began constructing the space station in April 2021 with the launch of the Tianhe module, the main living quarters, in the first of 11 crewed and uncrewed missions in the undertaking.