

Q: Which of the following statement(s) are feature(s) of the Strategic Interventions for Green Hydrogen Transition (SIGHT) Programme?

- Financial incentive mechanisms to support domestic manufacturing of electrolysers and production of Green Hydrogen.
- They are key to the realisation of the objectives of the Nagoya Protocol.
- The programme makes mandatory provisions for environmental costs in a government project/programme.
- All of the above.

Ans: a

Explanation:

- The Strategic Interventions for Green Hydrogen Transition (SIGHT) Programme aims to bolster domestic electrolyser manufacturing and green hydrogen production.
- It is a major financial measure with two distinct financial incentive mechanisms to support domestic manufacturing of electrolysers and production of Green Hydrogen.
- It includes incentives for manufacturing of electrolysers and production of green hydrogen.
- It is a sub-component of the National Green Hydrogen Mission.
- The scheme offers a direct incentive over 3 years from the beginning of production and supply.
- A scheme monitoring committee is co-chaired by the secretary of the Union Ministry of Petroleum and Natural Gas (MoPNG), secretary of the Ministry of New and Renewable Energy, mission director of the National Green Hydrogen Mission and other experts.
- The committee will review the implementation status and performance of capacities awarded or established under the scheme.

Q: Consider the following statements with respect to Nagara Architecture

- It emerged during the 5th century CE, during the late Gupta period.
- The nagara style temples usually have elaborate boundary walls or gateways.
- The garbhagriha in the nagara style temples is always located directly under the tallest tower.

How many of the statements given above are correct?

- Only one
- Only two
- All Three
- None of the above

Ans: b

Explanation:

- The style of temple architecture that became popular in northern India is known as Nagara.
- In North India it is common for an entire temple to be built on a stone platform with steps leading up to it.
- It emerged during the 5th century CE, during the late Gupta period.
- Unlike in South India, Nagara temples does not usually have elaborate boundary walls or gateways.
- The garbhagriha is always located directly under the tallest tower.

Q: Consider the following statements with respect to Chabahar Port:

- It is Iran's first deep-water port that is located on the Gulf of Oman.
- It is part of the proposed International North-South Transport Corridor (INSTC).

Which of the above statement(s) is/are correct?

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 nor 2

Ans: c

Explanation:

- Chabahar Port is Iran's first deep-water port that is located on the Gulf of Oman.
- It is part of the proposed International North-South Transport Corridor (INSTC).
- INSTC is a multi-modal transportation project linking the Indian Ocean and Persian Gulf to the Caspian Sea via Iran, and onward to northern Europe via St Petersburg in Russia.
- Chabahar is of strategic importance to both Iran and India.
- India's involvement in the development of the port began in 2002.
- India, Iran, and Afghanistan signed a trilateral agreement in April 2016, after which the Indian Shipping Ministry worked at a rapid pace towards developing the port.
- There are two distinct ports in the Chabahar project, Shahid Beheshti and Shahid Kalantari. India's investment is restricted to the Shahid Beheshti port.

Q: Consider the following statements with respect to Gangetic Dolphin

1. It is the national aquatic animal of India that are only found in four river systems around the world, including Ganga River.
2. It is an ecosystem indicator species that is protected under the Schedule 1 of the Wildlife Protection Act, 1972.
3. It is legally protected in all countries and categorised as endangered under the International Union for Conservation of Nature's Red List of threatened species.

How many of the statements given above are correct?

- a) Only one
- b) Only two
- c) All three
- d) None of the above

Ans: c

Explanation:

- Ganges river dolphins are usually a grey or light brown colour, but may also have a pinkish tone to the belly.
- The Ganges river dolphin is known as the "Tiger of the Ganges" for the role it plays as a top predator and because it is an ecosystem indicator species.
- This species is functionally blind and relies heavily on echolocation to navigate and hunt.
- It is categorised as endangered under the International Union for Conservation of Nature's Red List of threatened species.
- It includes over 10,000 km of the Ganges-Brahmaputra-Meghna, and the Sangu-Karnaphuli River systems in Bangladesh, India and Nepal.
- Ganges river dolphins are commonly found in deeper sections of the river.
- They prefer eddies around islands, river bends and confluences which are often also the places where people prefer to fish.
- It is protected under the Schedule 1 of the Wildlife Protection Act, 1972.
- It is legally protected in all countries within which it is found and is the National Aquatic Animal of India.
- In 2009, Gangetic dolphins were declared the national aquatic animal of India.
- Project Gangetic Dolphin which was announced on 2015 for the conservation of the Gangetic dolphins.

Q: Consider the following statements with respect to Scrub Typhus:

1. Scrub typhus is an infectious seasonal disease caused by virus and transmitted through infected bats.
2. Higher rainfall and humidity conditions decreases the incidents of the infection.
3. There is no vaccination for this disease.

How many of the above statement(s) is/are incorrect?

- a) Only one
- b) Only two
- c) All Three
- d) None of the above

Ans: b

Explanation:

- Scrub typhus is an infectious disease caused by bacteria called *Orientia tsutsugamushi* and transmitted through infected mites.
- The meteorological factors like temperature, rainfall and humidity, along with socioeconomic factors, impact the prevalence of scrub typhus.
- An increase in rainfall and humidity led to a spike in cases of Scrub typhus.
- No vaccine is available to prevent scrub typhus.
- Reduce your risk of getting scrub typhus by avoiding contact with infected chiggers.
- When traveling to areas where scrub typhus is common, avoid areas with lots of vegetation and brush where chiggers may be found.