



EXCEL CIVILS ACADEMY

DAILY CURRENT AFFAIRS

Date: 09-10-2021

EXPLANATION

1. Ans) (c)

Aitoliko lagoon is located in the northern Patras Gulf in western Greece. It is a polluted lagoon with depths of up to 30 metres, linked by narrow channels to the sea. Recently, a group of divers have reported a rare sighting of hundreds of endangered seahorses in the lagoon. Seahorses are protected species threatened by overfishing and pollution, as they need an environment full of organisms to feed on and plants to hide.

2. Ans) (b)

According to researchers at the Indian Institute of Technology (IIT) Kharagpur, the Indo-Gangetic Plain (IGP) is the global hot-spot of atmospheric ammonia (NH₃). This is due to concentrated agricultural activities and fertilizer production in the region. The satellite data of agricultural emissions show that atmospheric ammonia is related with total fertilizer consumption and temperature.

3. Ans) (c)

Explanation: It was the idea of Balban who professed the divine right of kingship. In it he proclaimed himself as niyamatikhudai, which meant a servant of God and Zil-e-Illahi meaning the shadow of God on earth.

4. Ans) (a)

Explanation: British Indian Association, was founded on October 29, 1851 at Calcutta with Raja RadhakantaDev and Debendranath Tagore as its President and Secretary respectively. Other members of the Association included Ramgopal Ghosh, Peary Chand Mitra and Krishna Das Pal. Its membership was kept exclusive to Indians.

5. Ans) (c)

Recently, the 6th Edition of India - UK Joint Company Level Military Training Exercise AJEYA WARRIOR has commenced in Uttarakhand. The exercise is conducted alternatively in the United Kingdom and India. The exercise is part of an initiative to develop interoperability and sharing expertise with friendly foreign nations. India and the UK participated in a two-day bilateral Passage Exercise (PASSEX) in the Bay of Bengal.

Other Joint Exercises between India and UK:

- Navy: Konkan
- Air Force: Indradhanush

Garuda Shakti is a bilateral exercise between Special Forces of armies of India and Indonesia. This joint military exercise is a part of India and Indonesia defence cooperation.

6. Ans) (d)

India recently joined the group. It was founded by Costa Rica, France and Britain in 2019. Hence, Statement 1 is incorrect. It has more than 70 countries which are a mix of countries in the global north and south, European, Latin American, Africa and Asia countries are among the members. Hence, Statement 2 is incorrect. Its aim is to promote an international agreement to protect at least 30% of the world's land and ocean by 2030 (Global 30×30 target). HAC has no relation to nuclear proliferation. Hence, Statement 3 is incorrect.

7. Ans) (c)

Unlike a Cryogenic engine, a Semi Cryogenic engine uses Refined kerosene instead of liquid hydrogen. The liquid oxygen is used as a Oxidiser. That's the advantage of using a Semi Cryogenic engine as it requires Refined Kerosene which is lighter than liquid fuel and can be stored in a normal temperature. Kerosene combined with liquid oxygen provide a higher thrust to the rocket. Refined Kerosene occupies less space, making it possible to carry more propellant in a Semi Cryogenic engines fuel compartment. A semi cryogenic engine is more powerful, environment friendly and cost effective as compared to a cryogenic engine.

8. Ans) (a)

exp..Under the Ministry of Tourism's flagship Swadesh Darshan scheme, multiple projects have been undertaken in Madhya Pradesh, Bihar, Uttar Pradesh, Gujarat and Andhra Pradesh.

9. Ans) (c)

Ethanol is derived from corn and sugarcane using the fermentation process. Hence, statement 1 is correct. A litre of ethanol contains approximately two thirds of the energy provided by a litre of petrol. When mixed with petrol, it improves the combustion performance and lowers the emissions of carbon monoxide and sulphur oxide. Biodiesel is derived from vegetable oils like soybean oil or palm oil, vegetable waste oils, and animal fats by a biochemical process called "Transesterification." Hence, statement 2 is correct. It produces very less or no amount of harmful gases as compared to diesel. It can be used as an alternative for the conventional diesel fuel.

10. Ans) (b)

The concept of an ADIZ is not defined in any international treaty and is not regulated by any international body. It is determined by a country in the interest of national security. It is a self-declared region which is monitored by the country's military for defence purposes. Hence, Statement 1 is incorrect. One China Policy: It is the diplomatic acknowledgement of China's position that there is only one Chinese government. Under the policy, the US recognises and has formal ties with China rather than the island of Taiwan, which China sees as a breakaway province to be reunified with the mainland one day. Hence, Statement 2 is incorrect. Taiwan Strait is between China and Taiwan only. Hence, Statement 3 is correct.