



Dikshant IAS - Daily Current Quiz

Date: 28/3/2024

1. Which of the following statements about Sangam Digital Twin is correct?

- (a) It is an initiative of the Department of Telecommunications.
- (b) Digital Twin technology provides a solution by creating virtual replicas of physical assets.
- (c) With Digital Twin technology, real-time monitoring, simulation, and analysis are possible for iterative and feedback loops to adapt changes for obtaining solutions.
- (d) All of the above.

Answer: (D)

- It is an initiative of the Department of Telecommunications. Digital Twin technology provides a solution by creating virtual replicas of physical assets.
- With Digital Twin technology, real-time monitoring, simulation, and analysis are possible for iterative and feedback loops to adapt changes for obtaining solutions.

2. Consider the following statements regarding the new electric vehicle policy:

1. Completely built-up (CBU) electric cars imported into India have seen a reduction in import duty from the existing 70% to 15%.
2. Companies investing 80 crores US dollars or more are permitted to import electric vehicles annually up to 40,000 at a 15% import duty.

Which of the above is correct?

- (a) Only 1
- (b) Only 2
- (c) Both 1 and 2
- (d) Neither 1 nor 2

Answer: (C)

- Completely built-up (CBU) electric cars imported into India have seen a reduction in import duty from the existing 70% to 15%. Companies investing 80 crores US dollars or more are permitted to import electric vehicles annually up to 40,000 at a 15% import duty.

3. Consider the following:

1. Yemen
2. Oman
3. Egypt
4. Sudan
5. Eritrea



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How many of the above countries border the Red Sea?

- A. Only two
- B. Only three
- C. Only four
- D. All five

Ans: C

- Recently, global trade has been significantly affected, mainly due to the disruption of important shipping routes, one of which passes through the Red Sea.

About the Red Sea:

- It is a semi-enclosed inlet (or extension) of the Indian Ocean between the continents of Africa and Asia.
- It is one of the hottest seas in the world.
- It is connected to the Arabian Sea and the Indian Ocean to the south via the strait of Bab-el-Mandeb, through a narrow passage between the Gulf of Aden and the Red Sea.

Bordering countries:

- Yemen shares its border with Saudi Arabia to the east along the Red Sea.
- Its border extends north and west to Egypt and to the west to Sudan, Eritrea, and Djibouti.
- The surface area of this sea is approximately 438,000 square kilometers, and its length is approximately 2,250 kilometers.
- The maximum width of the sea is 355 kilometers, and the deepest point of the sea is in the Central Suakin Trough at 3,040 meters, with an estimated average depth of 490 meters.
- The Red Sea contains the world's hottest and saltiest seawater.
- Island groups: Some notable islands include the Tiran Island, situated at the mouth of the Gulf of Aqaba, and the Sawakin Islands, located at the entrance to the Gulf of Suez.
- Due to its connection to the Mediterranean Sea via the Suez Canal, it is one of the busiest maritime routes in the world, facilitating maritime traffic between Europe and Asia. Therefore, option C is the correct answer.

4. In the context of the Clean Energy Transition Program, consider the following statements:



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1. Its aim is to accelerate progress towards a global net-zero energy system.
2. It is an initiative of the United Nations Environment Programme (UNEP).

Which of the above statements is/are correct?

- A. Only 1
- B. Only 2
- C. Both 1 and 2
- D. Neither 1 nor 2

Ans: A

- Recently, the International Energy Agency (IEA) launched the annual report 2023 of the Clean Energy Transition Program.
- It is the IEA's flagship initiative launched in 2017 to accelerate progress towards a global net-zero energy system.
- It leverages insights and impacts from the world's leading energy authorities, especially in emerging and developing economies, to accelerate clean energy transitions.
- Its objectives are aligned with the goals of the 2015 Paris Agreement and the sustainable development goals established by the United Nations. Regarding the IEA:
- It is an autonomous intergovernmental organization under the OECD framework.
- It works with governments and industries to shape secure and sustainable energy futures for all.
- It was established in 1974 to ensure oil supply security.
- The vulnerability of industrialized countries to oil imports has become apparent.
- It has 31 member countries and 11 associate countries.
- A candidate country for the IEA must be a member country of the Organization for Economic Cooperation and Development (OECD). Therefore, only statement 1 is correct.

5. According to the Annual Survey of Industries for the year 2021-22, which state ranked first in total fixed capital in industries?

- (A) Maharashtra
- (B) Uttar Pradesh
- (C) Tamil Nadu
- (D) Gujarat

Answer: (D)

- Gujarat ranked first in total fixed capital in industries with a share of 18.4%