



EXCEL CIVILS ACADEMY

DAILY CURRENT AFFAIRS

Date: 24-06-2021

EXPLANATION

1. Ans) (c)

Explanation:

June 21- this day is referred to as the summer solstice, the longest day of the summer season. It occurs when the sun is directly over the Tropic of Cancer.

What causes this?

Solstice means “sun stands still” in Latin. Solstice is an astronomical event, caused by Earth’s tilt on its axis and its motion in orbit around the sun. At the June solstice, Earth is positioned in its orbit so that our world’s North Pole is leaning most toward the sun. As seen from Earth, the sun is directly overhead at noon 23 1/2 degrees north of the equator, at an imaginary line encircling the globe known as the Tropic of Cancer – named after the constellation Cancer the Crab. This is as far north as the sun ever gets.

Implications: All locations north of the equator have days longer than 12 hours at the June solstice. Meanwhile, all locations south of the equator have days shorter than 12 hours. This day is characterised by a greater amount of energy received from the sun. According to NASA, the amount of incoming energy the Earth received from the sun on this day is 30 per cent higher at the North Pole than at the Equator.

2. Ans) (c)

Explanation:

The Rajasthan government will soon set up a Vedic Education and Sanskar Board to revive the knowledge of Sanskrit scriptures and vedas, officials said. The board is likely to be formed in the next four to five months.

3. Ans) (d)

Explanation:

Indian Naval Ship Triakand, a mission deployed for Anti-Piracy Operations, is participating in the maiden IN – EUNAVFOR Joint Naval Exercise in the Gulf of Aden.

4. Ans) (c)

Explanation:

After launching YouTube classes for students of Class IX and X, the Odisha government launched e-Pathsala and e-Mulyankan facilities keeping in mind disruption of classes during the ongoing pandemic.

These online platforms will benefit students, teachers and district education officers (DEOs).

5. Ans) (c)

Explanation:

The Minister of Tribal Affairs inaugurated the Second National Sickle Cell Conclave on 'Sickle Cell Disease'. The Conclave is being held to mark the World Sickle Cell Day observed on 19th June 2021 every year. The disease is characterized by a modification in the shape of the red blood cell from a smooth, donut-shape into a crescent or half-moon shape. These cells lack plasticity and can block small blood vessels, impairing blood flow. This condition leads to shortened red blood cell survival, and subsequent anaemia, often called sickle-cell anaemia. This leads to chronic acute pain syndromes, severe bacterial infections, and necrosis (tissue death). Anaemia is a medical condition in which the red blood cell count or haemoglobin is less than normal. Symptoms: Fatigue, Shortness of breath, Hair loss etc.

Treatment: It can be managed by simple procedures including:

- High fluid intake
- Healthy diet
- Folic acid/Iron supplementation
- Pain medication

Vaccination and antibiotics for the prevention and treatment of infections A number of other therapeutic measures. Sickle cell disease (SCD), which is the most prevalent inherited blood disorder, is widespread amongst many tribal population groups in India. The disease in India is prevalent predominantly in Jharkhand, Maharashtra, Madhya Pradesh, Chhattisgarh, western Odisha, eastern Gujarat and in pockets of the Nilgiri Hills in north Tamil Nadu and Kerala.

6. Ans) (b)

Explanation:

The illegal cultivation of herbicide tolerant (HT) Bt cotton has seen a huge jump this year, Sale of illegal seed packets has more than doubled from 30 lakh last year to 75 lakh this year. BT Cotton is a genetically modified crops that produces an insecticide to combat the Cotton bollworm, a common pest. GM crop has a gene artificially inserted from another species to provide some desired properties like pest resistance herbicide tolerance drought resistance However, concerns are raised over its negative impact on Environment human health and crop diversity Currently BT Cotton is the only GM crop allowed for commercial cultivation in India but herbicide tolerant BT Cotton has not been approved by regulators. They are available in the black market along with BT brinjal and HT Soya seeds. HTbt Cotton variant makes the plant resistant to the Herbicide glyphosate. Glyphosate has carcinogenic effect and can also result in spread of herbicide resistance to near by plants through pollination

DO you know?

Regulatory Framework for approval of GM crops is covered under the Environment protection Act 1986 Genetic engineering appraisal committee under Ministry of Environment, forest and climate change is Apex body that allows for commercial release of GM crops in India Cartagena protocol on biosafety provides well-defined mechanism of regulation of GM crops including biosafety evaluation and environmental release .

7. Ans) (b)

Explanation:

With the aim to vaccinate all people above 45 years against COVID-19 in Delhi within the next four weeks, Delhi Chief Minister Arvind Kejriwal launched 'Jahan Vote, Wahan Vaccination' campaign.

8. Ans) (a)

Explanation:

As per the new Section 234H of the Income-tax Act 1961, which has been recently introduced during Budget 2021, the PAN cards which are not linked to Aadhaar after June 30, 2021, would be declared "inoperative", as well as a penalty of Rs 1,000 may also be imposed. On the other hand, the person will be considered as an individual without PAN card.

9. Ans) (b)

Explanation:

Bengaluru has been named as the most liveable city of India, in the Ease of Living Index 2020, released by the Centre for Science and Environment (CSE) on June 16, 2021. The Ease of Living Index 2020 is part of the report titled State of India's Environment 2021.

10. Ans) (c)

Explanation:

Nasa reports trouble with the Hubble Space Telescope. The telescope has been down for the past few days. The problem is a payload computer that has stopped working.

Background:

The payload computer's purpose is to control and coordinate the science instruments and monitor them for health and safety purposes.

About the Hubble Space Telescope:

The Hubble Space Telescope is a large telescope in space. NASA launched Hubble in 1990. It was built by the United States space agency NASA, with contributions from the European Space Agency. Hubble is the only telescope designed to be serviced in space by astronauts. Expanding the frontiers of the visible Universe, the Hubble Space Telescope looks deep into space with cameras that can see across the

entire optical spectrum from infrared to ultraviolet. The Hubble Space Telescope makes one orbit around Earth every 95 minutes.