

## *10 PM Current Affairs Quiz Compilation*

**30<sup>th</sup> May to 4<sup>th</sup> June, 2022**

**SCIENCE AND TECHNOLOGY**

---

**Q.1) With reference to stem cells and stem cell therapy, consider the following statements:**

1. Under this therapy, stem cells are manipulated to specialize into specific types of cells.
2. It is a non-surgical procedure with no incisions of the body.

**Which of the statements given above is/are correct?**

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

**Answer: c**

**Both statements are correct.**

- **Statement 1 is correct:** The basic process of stem cell therapy starts with taking out of stem cells containing bone marrow and processing the stem cells in a lab. Then stem cells are specialized into the necessary adult cell type. These stem cells are manipulated to specialize into specific types of cells, such as heart muscle cells, blood cells or nerve cells.
- **Statement 2 is correct:** Stem cell therapy is a non-surgical procedure with no incisions of the body. Traditional surgeries leave behind scars that require extended time periods to heal.

**Source:** [Article](#)

**Q.2) BRICS plus concept was first proposed by which of the following countries?**

- a) China
- b) India
- c) South Africa
- d) Brazil

**Answer: a**

- 'BRICS Plus' was first mooted by Chinese Foreign Minister Wang Yi in March 2017 with the objective of widening the "circle of friends" of BRICS that can bring unity among developing countries and enhance South-South cooperation.

**Source:** [Article](#)

**Q.3) With reference to reservation policy in India, consider the following statements:**

1. Right to reservation or promotion is a fundamental right under the Indian Constitution.
2. The court directed the exclusion of the creamy layer from the benefits of reservation under the Indira Sawhney judgement.

**Which of the statements given above is/are correct?**

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

**Answer: b**

## 10 PM Compilation for the Month of June, (First Week) 2022

- **Statement 1 is incorrect:** Reservation is not a fundamental right. It is a settled law, time and again reiterated by the Supreme Court, that there is no fundamental right to reservation or promotion under Article 16(4) or Article 16(4 A) of the Constitution, rather they are **enabling provisions** for providing reservation, if the circumstances so warrant. (**Mukesh Kumar and Another vs State of Uttarakhand & Ors. 2020**)
- **Statement 2 is correct:** Under Indira Sawhney judgement, the Court directed the exclusion of creamy layer by way of horizontal division of every other backward class into creamy layer and non-creamy layer.

Source: [Article](#)

**Q.4) With reference to the Public Interest Litigation (PILs), consider the following statements:**

1. PILs can be filed either before the Supreme Court of India or any High Court.
2. Supreme court has in its various judgements ruled that a letter or a postcard addressed to the Chief Justice of India cannot be converted to a PIL

**Which of the statements given above is/are correct?**

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

**Answer: a**

- PILs are extensions of Writ Jurisdiction. Therefore, PILs may be filed either before the Hon'ble Supreme Court of India under Article 32 of the Indian Constitution or any High Court under Article 226 of the Indian Constitution. However, even a simple letter or a postcard addressed to the Chief Justice of India or the Chief Justice of a High Court may suffice. The court may then choose to take cognizance of the letter and convert it into a PIL.

**Q.5) What is/are the advantages of shifting to natural farming?**

1. Reduce the dependence on credit.
2. Less flexible than organic farming.
3. Higher carbon fixation into the soil.

**Select the correct answer from the codes given below.**

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

**Answer: c**

- **Statement 1 is correct:** A panel survey of 260 farm households which were surveyed in 2018-19 and 2019-20, found that natural farming reduced the dependence on credit, freeing many farmers from exploitative and interlinked input and credit markets.
- **Statement 2 is incorrect:** Organic farming is more about certification, while natural farming is a gradual process. But there is relative flexibility in natural farming for adoption. This makes it easier for small farmers to transition.
- **3 is correct:** Natural farming not just creates cost savings for farmers, but also ensures higher carbon fixation into the soil, which can mitigate climate change.

## 10 PM Compilation for the Month of June, (First Week) 2022

**Q.6) With reference to the West Nile Virus, consider the following statements;**

1. The Aedes species of mosquito act as the principal vectors for transmission.
2. The disease is asymptomatic in 80% of the infected people.

**Which of the statements given above is/are correct?**

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

**Answer: B**

**Statement 1 is incorrect:** Culex species of mosquitoes act as the principal vectors for transmission.

**Statement 2 is correct:** The disease is asymptomatic in 80% of the infected people. The rest develop what is called the West Nile fever. In these 20% cases, the symptoms include fever, headache, fatigue, body aches, nausea, rash and swollen glands. Severe infection can lead to encephalitis, meningitis, paralysis and even death.

Source: [Indian Express](#)

**Q.7) With reference to community forest Resource (CFRs) rights, consider the following statement;**

1. The community uses CFR rights to access resources available within the entire forests.
2. The Forest Rights Act provide recognition of right to “protect, regenerate or conserve or manage” the CFR.
3. These rights give the authority to the Gram Sabha to adopt local traditional practices of forest conservation.

**Select the correct answer from the codes given below;**

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

**Answer: C**

**Statement 1 is incorrect:** The community uses CFR Rights to access resources available within the traditional and customary boundary of the village.

**Statement 2 is correct:** The Forest Rights Act provide recognition of right to “protect, regenerate or conserve or manage” the CFR.

**Statement 3 is correct:** These rights give the authority to the Gram Sabha to adopt local traditional practices of forest conservation.

Source: [Indian Express](#)

## 10 PM Compilation for the Month of June, (First Week) 2022

**Q.8) With reference to the First Movers Coalition, consider the following statements:**

1. The coalition aims to decarbonise the heavy industry and long-distance transport sectors.
2. It is an initiative of the World Travel & Tourism Council (WTTC).

**Which of the statements given above is/are correct?**

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

**Answer: A**

**Statement 1 is correct:** The coalition aims to decarbonise the heavy industry and long-distance transport sectors that are responsible for 30 percent of global emissions.

**Statement 2 is incorrect:** It is an initiative of President of the USA and the World Economic Forum(WEF).

Source: [Business Standard](#)

**Q.9) With reference to the rules governing the behaviour of high officials, consider the following statements;**

1. All India Service Conduct Rules, 1968 govern all the civil servants in the country.
2. Oral direction from superiors is acceptable in certain conditions.

**Which of the statements given above is/are correct?**

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

**Answer: B**

- **Statement 1 is incorrect:** The three All India Services (IAS, IPS, and Indian Forest Service) are governed by the All India Service Conduct Rules, 1968. The other civil services are governed by the Central Civil Services (CCS) Conduct Rules, 1964.
- **Statement 2 is correct:** There is a well-framed Rule about how to act on oral orders given by superiors. It says that the direction of the official superior shall ordinarily be in writing. Where the issue of oral direction becomes unavoidable, the official superior shall confirm it in writing immediately thereafter.

Source: [Indian Express](#)

**Q.10) Operations Cactus, which was seen in news recently, is related to which of the following?**

- a) An operation by Indian Navy to rescue Indians during Oil crisis.
- b) Indian Army mission to recapture Siachen glacier from the Pakistani Army.
- c) An Indian operation that helped the government of Maldives in neutralization the coup.
- d) Indian mission to provide water for Middle Eastern Countries to avert their water crisis.

**Answer: C**

## 10 PM Compilation for the Month of June, (First Week) 2022

Operation Cactus the Indian Armed Forces have helped the government of Maldives in the neutralization of the coup attempt.

Source: [PIB](#)

### ENVIRONMENT

---

**Q.1) With reference to Red Sanders, consider the following statements:**

1. It is a flora-species that is endemic to a distinct tract of forests in Eastern Ghats region of Andhra Pradesh.
2. The export of Red Sanders from India is prohibited as per the Foreign Trade Policy.
3. It falls under endangered list in the International Union for Conservation of Nature (IUCN) Red List.

**Which of the statements given above is/are correct?**

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

**Answer: d**

- Red Sanders is a flora-species that is endemic to a distinct tract of forests in Eastern Ghats region of Andhra Pradesh
- It falls under 'endangered list' in the International Union for Conservation of Nature (IUCN) Red List. Red Sanders is also listed in Appendix-II of the Convention on International Trade in Endangered Species of Wildlife Fauna and Flora (CITES). Its rich hue and therapeutic properties are responsible for its high demand across Asia, particularly China, for use in cosmetics, medicinal products and high-end furniture/woodcraft.
- The export of Red Sanders from India is prohibited as per the Foreign Trade Policy.

Source: [Article](#)

**Q.2) Consider the following statements:**

1. Coal emits more carbon dioxide than oil and natural gas.
2. India has a greater installed capacity of power generation from natural gas as compared to from renewable energy sources.

**Which of the statements given above is/are correct?**

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

**Answer: a**

- **Statement 1 is correct:** Coal emits nearly twice as much carbon dioxide as natural gas and about 60% more than oil, on a kilogram-to-kilogram comparison.
- **Statement 2 is incorrect:** As of February 2022, the installed capacity for
  - **coal-based power generation** across the country accounts for about **51.5%** of power from all sources.

## 10 PM Compilation for the Month of June, (First Week) 2022

- **Renewable power** accounted for **27%**
- **Natural gas** as fuel accounted for **6.3%**

Source: [Article](#)

**Q.3) With reference to the term Unicorn in the startup ecosystem, consider the following statements:**

1. These are privately held, venture-capital backed startups that have reached a value of \$1 billion.
2. The valuation of a unicorn is largely based on their growth potential as perceived by investors and venture capitalists.

**Which of the statements given above is/are incorrect?**

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

**Answer: d**

**Both are correct.**

- Unicorns are privately held, venture-capital backed startups that have reached a value of \$1 billion.
- The valuation of unicorns is not expressly linked to their current financial performance, but largely based on their growth potential as perceived by investors and venture capitalists who have taken part in various funding rounds.
- American venture capitalist Aileen Lee is credited with coining the term “Unicorn” in 2013.

Source: [Article](#)

**Q.4) With reference to Piezoelectric Effect, consider the following statements:**

1. It is the ability of certain materials to generate an electric charge in response to applied mechanical stress.
2. One of the unique characteristics of the piezoelectric effect is that it is irreversible.

**Which of the statements given above is/are correct?**

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

**Answer: a**

- **Statement 1 is correct**
- **Statement 2 is incorrect:** The effect is reversible in nature, meaning that materials exhibiting the direct piezoelectric effect (the generation of electricity when stress is applied) also exhibit the converse piezoelectric effect (the generation of stress when an electric field is applied).

**Q.5) What are the advantages of Vertical Farming?**

1. Increases Photosynthesis
2. Reduces transportation cost
3. Low Initial capital costs for establishment

**Select the correct answer using the code given below:**

- a) 1 and 3 only
- b) 1 and 2 only
- c) 2 and 3 only
- d) All of the above

**Answer: b**

- **Statement 1 is correct-** By Vertical Farming, food crops can be cultivated easily in urban areas by planting in vertically stacked layers in order to save space and use minimal energy and water for irrigation. Vertical farming can permit crops to be grown throughout the year. It uses L.E.D lights so photosynthesis can occur all day.
- **Statement 2 is correct-** Since vertical farming system can be easily done in cities so this will reduce transportation costs.
- **Statement 3 is incorrect-** High initial capital costs for establishing the vertical farming system is the major problem. In addition, there are costs of erecting the structures along with its automation like automated racking and stacking systems, programmable LED lighting systems, climate control system, etc.

**Q.6) Thiruvananthapuram Declaration was related to which of the following?**

- a) To protect the vulnerable areas in Western Ghats
- b) To improve the education in STEM areas
- c) Regarding the women's reservation
- d) To improve the performance of primary health care sector

**Answer: C**

The first National Women Legislators Conference concluded with the adoption of Thiruvananthapuram Declaration.

The declaration demanded immediate steps to ensure the passage of the long-pending Women's Reservation Bill, which envisages 33% reservation for women in the Lok Sabha and State legislatures.

Source: [The Hindu](#)

**Q.7) With reference Sanjhi Art Panel, consider the following statements;**

1. The panel is based on the theme of Thakurani Ghat, which is one of the most famous ghats on the banks of Yamuna River.
2. The art form originated out of the cult of Krishna.

**Which of the statements given above is/are correct?**

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

**Answer: c**



## 10 PM Compilation for the Month of June, (First Week) 2022

**Both statements are correct.**

The intricate sanjhi panel is based on the theme of Thakurani Ghat, which is one of the most famous ghats on the banks of the holy river of Yamuna in Gokul.

The traditional art form that originated out of the cult of Krishna, involves creating stencils based on incidents from the life of the deity and then hand-cutting these on thin sheets of paper using scissors.

Source: [Indian Express](#)

**Q.8) With reference to the PM CARES for Children Scheme, consider the following statements;**

1. The scheme supports children only if they lost both their parents or legal Guardian due to Covid-19.
2. The scheme provides assistance for Pre-school and School Education including Boarding and Lodging.

**Which of the statements given above is/are correct?**

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

**Answer: B**

**Statement 1 is incorrect:** The scheme supports children who have lost both their parents or legal Guardian or Adoptive Parents or Surviving Parent to the COVID-19 pandemic during the period starting from 11th March 2020.

**Statement 2 is correct:** The scheme provide assistance for Pre-school and School Education including Boarding and Lodging

Source: [PIB](#)

**Q.9) Consider the following pairs**

- | Operation                  | - | Related field/task |
|----------------------------|---|--------------------|
| 1. Operation Rakth Chandan | - | Red Sanders        |
| 2. Operation Namkeen       | - | Gold smuggling     |
| 3. Operation Molten Metal  | - | Silver smuggling   |

**Select the correct pairs from the codes given below;**

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

**Answer: A**

- | Operation                  | - | Related field/task |
|----------------------------|---|--------------------|
| 1. Operation Rakth Chandan | - | Red Sanders        |
| 2. Operation Namkeen       | - | Drugs smuggling    |

## 10 PM Compilation for the Month of June, (First Week) 2022

3. Operation Molten Metal - Gold smuggling

Source: [PIB](#)

**Q.10) The terms Param porul, Param Ananta, were recently seen in the news, is related to which of the following?**

- a) Government new programme to promote Yoga among school children
- b) A new super computer installed under National Supercomputing Mission.
- c) A book on Indian values written in Gupta Period.
- d) Government's new health targets to reduce lifestyle diseases.

**Answer: B**

PARAM ANANTA, a state-of-the art Supercomputer has been commissioned at IIT Gandhinagar.

PARAM PORUL, a state-of-the-art Supercomputer was inaugurated at NIT Tiruchirappalli dedicated to the nation under National Supercomputing Mission (NSM).

Source: [PIB](#)

**SCIENCE AND TECHNOLOGY**

**Q.1) With reference to Mission Lucy, consider the following statements:**

1. It is NASA's first mission to explore the Jupiter Trojan asteroids.
2. It is a solar-powered mission.

**Which of the statements given above is/are incorrect?**

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

**Answer: d**

**Both statements are correct.**

- Mission Lucy is NASA's first mission to explore the Jupiter Trojan asteroids.
  - **Named After:** The mission is named after 'Lucy', a 3.2 million-year-old ancestor who belonged to a species of hominins (which include humans and their ancestors).
- It is a solar-powered mission. It is estimated to be over 12 years long, during the course of which the spacecraft will visit eight asteroids covering a distance of about 6.3 billion km to deepen the understanding of the "young solar system".

**Source:** [Article](#)

**Q.2) Which of the following is/are a rare earth element?**

1. Caesium
2. Scandium
3. Cerium

**Select the correct answer from the codes given below:**

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

**Answer: b**

Caesium is not a rare earth element.

- The 17 Rare Earths are cerium (Ce), dysprosium (Dy), erbium (Er), europium (Eu), gadolinium (Gd), holmium (Ho), lanthanum (La), lutetium (Lu), neodymium (Nd), praseodymium (Pr), promethium (Pm), samarium (Sm), scandium (Sc), terbium (Tb), thulium (Tm), ytterbium (Yb), and yttrium (Y)

**Source:** [Article](#)

**Q.3) Logistics Performance Index (LPI) has been developed by which of the following organizations?**

- a) UNCTAD
- b) WB
- c) IMF
- d) WTO

**Answer: b**

- The Logistics Performance Index (LPI), developed by the World Bank Group, is an interactive benchmarking tool created to help countries identify the challenges and opportunities they face in their performance on trade logistics and what they can do to improve their performance.

**Source:** [Article](#)

**Q.4) With reference to lotteries in India, consider the following statements:**

1. Lotteries come within the ambit of betting and gambling activity.
2. A State legislature has the right to impose tax on lotteries conducted by other States within its jurisdiction.

**Which of the statements given above is/are incorrect?**

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

**Answer: d**

**Both statements are correct.**

- Lottery is a type of gambling activity. Hence, lotteries are within the ambit of 'betting and gambling' as appearing in Entry 34 List II.
- The Supreme Court recently held that a state legislature has the right to impose tax on lotteries conducted by other States within its jurisdiction.

**Q.5) Which of the following is/are the advantage of Biogas?**

1. Provides a stable fuel supply.
2. Increase India's oil import bill.
3. Act as a source of income for farmers.

**Select the correct answer from the codes given below.**

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

**Answer: c**

- **Statement 1 is correct:** Biogas provides a stable fuel supply in the market for oil companies and accessible credit in the market through government schemes and banks for entrepreneurs.
- **Statement 2 is incorrect:** Biogas increase self-reliance in energy utilized for cooking and lighting. So it will reduce India's oil import bill.
- **Statement 3 is correct:** Biogas encourage farmers to consider dung and other waste not just as a waste but as a source of income.

**Q.6) The term 'Killer asteroids' is related to which of the following?**

- Asteroids which has orbits that pass close to the Earth.
- Trojan asteroids that share an orbit with a larger planet.
- Asteroids capable of killing thousands when they impact on Earth.
- Bigger asteroids that lie between Mars and Jupiter.

**Answer: C**

Killer asteroids, simply mean that they are asteroids capable of killing thousands, if not millions, were they to impact the Earth. It does not necessarily mean that they are on a collision course for Earth.

Source: [BBC](#)

**Q.7) With reference gross value added(GVA) and gross domestic product (GDP), consider the following statements;**

- If the government earned more from taxes than it spent on subsidies, GDP will be higher than GVA.
- GDP provides the demand side of the economy and GVA the supply side.

**Which of the statements given above is/are correct?**

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

**Answer: c**

**Both statements are correct.**

***GDP = GVA + Taxes earned by the government — subsidies provided by the government***

For instance, if the government earned more from taxes than it spent on subsidies, GDP will be higher than GVA.

But if the government provided subsidies in excess of its tax revenues, the absolute level of GVA would be higher than that of GDP.

Hence, simply put, GDP provides the demand side of the economy and GVA the supply side.

Source: [Livemint](#)

**Q.8) With reference to the Gen Next Democracy Network programme, consider the following statements;**

1. Under this, youth from democratic countries come to India to get acquainted with India's heritage, culture and functioning of Indian democracy.
2. It was launched by the Ministry of External Affairs.

**Which of the statements given above is/are correct?**

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

**Answer: A**

**Statement 1 is correct:** Under this, youth from democratic countries come to India to get acquainted with India's heritage, culture and functioning of Indian democracy.

**Statement 2 is incorrect:** It is launched by the Indian Council for Cultural Relations(ICCR)

Source: [AIR](#)

**Q.9) Which of the following is/are the benefit of liquid nano urea?**

1. Directly absorbed by plant
2. Reduce burden of Urea subsidy
3. Higher shelf life

**Select the correct answer from the codes given below;**

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

**Answer: D**

**The advantages of Liquid Nano Urea over Conventional Urea**

**Higher Efficiency:** While conventional urea has an efficiency of about 25%, the efficiency of liquid nano urea can be as high as 85-90%.

**Gets Directly absorbed by plant:** Conventional urea fails to have the desired impact on crops as it is often applied incorrectly and the nitrogen in it is vaporized or lost as a gas. On the other hand, liquid nano urea is sprayed directly on the leaves and gets absorbed by the plant.

**Higher Shelf Life:** Liquid nano urea has a shelf life of a year and farmers need not be worried about "caking" when it comes in contact with moisture.

**No Burden of Urea Subsidy:** Liquid nano urea produced by IFFCO comes in a half-litre bottle priced at Rs 240, and carries no burden of subsidy currently. By contrast, a farmer pays around Rs 300 for a 50-kg bag of heavily subsidized urea.

Source: [Indian Express](#)

## 10 PM Compilation for the Month of June, (First Week) 2022

**Q.10) With reference to the Astra Mk-1 air-to-air missile, consider the following statements;**

1. The Missile provides shorter stand-off ranges to fighter aircraft.
2. It is a beyond visual range (BVR) missile.

**Which of the statements given above is/are correct?**

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

**Answer: B**

**Statement 1 is incorrect:** Stand-off range means the missile is launched at a distance sufficient to allow the attacking side to evade defensive fire from the target. Beyond visual range(BVR) air-to-air missile (AAM) such as Astra Mk-1 can provide large stand-off ranges to fighter aircraft. This can neutralize adversary airborne assets without exposing themselves to adversary air defence measures.

**Statement 2 is correct:** Astra Mk-1 is a beyond visual range(BVR) air-to-air missile (AAM). BVM missiles are capable of engaging beyond the range of 20 nautical miles or 37 kilometres.

Source: [Indian Express](#)

**PRELIMS**

---

**Q.1) With reference to various laws governing firearms in India, consider the following statements:**

1. Gun license applicants in India must be at least 18 years.
2. Converting an imitation firearm into a firearm is punishable by imprisonment.

**Which of the statements given above is/are correct?**

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

**Answer: b**

- **Statement 1 is incorrect:** Gun license applicants in India must be **at least 21 years**
- **Statement 2 is correct:** Any **act of conversion** (*such as shortening the barrel of a firearm or converting an imitation firearm into a firearm*) or unlawful import-export is **punishable with an imprisonment** term of seven years, which may extend to life imprisonment and be liable to monetary fines.

**Source:** [Article](#)

**Q.2) Potentilla, Delphinium, and Ranunculus sometimes seen in news belong to which of the following species?**

- a) Flower
- b) Lizard
- c) Grass
- d) Snake

**Answer: a**

- The valley of flowers in Uttarakhand is home to over 600 flowering species, including some exotic varieties like Brahmkamal, which is also the state flower of Uttarakhand. Other varieties include Blue poppy, described as the Queen of Flowers, Bluebell, Primula, Potentilla, Aster, Liliium, Himalayan Blue Poppy, Delphinium, and Ranunculus. The region also has a rich faunal diversity with species like the leopard, musk deer, and blue sheep.

**Source:** [Article](#)



**Q.3) With reference to Aadhaar, consider the following statements:**

1. The Aadhaar Act forbids sharing Core Biometric Information for any purpose other than Aadhaar number generation and authentication.
2. For an Aadhaar enabled Payment System transaction, only a person's Aadhaar number is required.

**Which of the statements given above is/are correct?**

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

**Answer: a**

- **Statement 1 is correct:** The Aadhaar Act forbids sharing Core Biometric Information (such as finger print, iris scan, among other biometric attributes) for any purpose other than Aadhaar number generation and authentication.
- **Statement 2 is incorrect:** AePS is a facility that lets one perform banking transactions like cash withdrawal and fund transfer. These transactions are done through a mini-ATM carried by a banking correspondent. For an AePS transaction, all you need is a person's Aadhaar number, bank name and fingerprints.

**Source:** [Article](#)

**Q.4) With reference to G20 Grouping, Consider the following statements:**

1. The G20 does not have permanent offices or employees.
2. The Sherpas Channel in G20 covers meetings between finance ministers and central bank governors.

**Which of the statements given above is/are correct?**

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

**Answer: a**

- **Statement 1 is correct:** The G20 does not have permanent offices or employees.
- **Statement 2 is incorrect:** The Finance Channel covers meetings between finance ministers and central bank governors, as well as meetings of their second lines and working groups on financial issues. The Sherpa channel covers non-financial issues.

**Q.5) Uday Kotak Committee sometimes seen in news is related to which of the following?**

- a) Corporate governance
- b) Loan restructuring
- c) Monetary policy
- d) Disinvestment

**Answer: a**

- Uday Kotak Committee on Corporate Governance was set up in June, 2017 by SEBI to suggest measures on enhancing the standards of governance of listed companies in India.

## 10 PM Compilation for the Month of June, (First Week) 2022

This committee also had members from government, industry, professional bodies, stock exchanges, academics, lawyers etc.

Source: [Article](#)

**Q.6) With reference to the High Mobility Artillery Rocket System(HIMARS), consider the following statements;**

1. It is a light multiple rocket launcher developed for the US Army.
2. It is not capable of firing a longer-range missile.

**Which of the statements given above is/are correct?**

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

**Answer: A**

**Statement 1 is correct:** It is a light multiple rocket launcher developed for the US Army.

**Statement 2 is incorrect:** The HIMARS can launch a medium-range rocket, but is also capable of firing a longer-range missile.

Source: [Indian Express](#)

**Q.7) With reference to the UN-Habitat, consider the following statements;**

1. It is mandated by the United Nations General Assembly to promote socially and environmentally sustainable towns and cities.
2. UN-Habitat contributes to reduce poverty and to promote access to safe drinking water and basic sanitation.
3. Its partners are either governments or local urban authorities only.

**Which of the statements given above is/are correct?**

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

**Answer: B**

**Statement 1 is correct:** UN Habitat is mandated by the United Nations General Assembly to promote socially and environmentally sustainable towns and cities with the goal of providing adequate shelter for all.

**Statement 2 is correct:** UN-Habitat contributes to the overall objective of the United Nations system to reduce poverty and to promote access to safe drinking water and basic sanitation

**Statement 3 is incorrect:** UN-Habitat partners comprises of national governments, local authorities, non-governmental organizations (NGOs), community organizations and the private sector.

Source: [The Hindu](#)

## 10 PM Compilation for the Month of June, (First Week) 2022

**Q.8) With reference to the Indian Dairy Sector, consider the following statements;**

1. India is the world's largest milk producer.
2. Gujarat is the leading milk producing state in India.

**Which of the statements given above is/are correct?**

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

**Answer: A**

**Statement 1 is correct:** India is the world's largest milk producer, with 22% of global production, followed by the United States of America, China, Pakistan and Brazil.

**Statement 2 is incorrect:** The top 5 milk-producing states are: Uttar Pradesh (14.9%), Rajasthan (14.6%), Madhya Pradesh (8.6%), Gujarat (7.6%) and Andhra Pradesh (7.0%).

Source: [Indian Express](#)

**Q.9) Which of the following National park is associated with Cheetah reintroduction project?**

- a) Kanha National Park, Madhya Pradesh
- b) Ranthambore National Park, Rajasthan
- c) Tadoba National Park, Maharashtra
- d) Kuno National Park, Madhya Pradesh

**Answer: D**

The Government is preparing to translocate the first batch of eight Cheetah's from South Africa and Namibia to Kuno National Park in Madhya Pradesh soon after the situation linked to the current third wave of Covid-19 becomes normal,

Further, the government has also launched the 'Action Plan for Introduction of Cheetah in India' under which 50 of these big cats will be introduced in the next five years.

Source: [Indian Express](#)

**Q.10) Which of the following is/are the advantages of hydrogen-powered vehicles?**

1. Less Refuelling Time
2. Requires Smaller Battery than EVs
3. Faster Charging than EVs

Select the correct answer from the codes given below;

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

**Answer: D**

**Hydrogen-powered vehicles have the following advantages:**

**Less Refuelling Time:** They can be refuelled like a conventional combustion engine vehicle at a hydrogen station. Refuelling time for the car is five minutes and can run 600 kilometres on a full tank.

**Smaller Battery:** The electric battery in Mirai is 30 times smaller than what conventional electric vehicles use.

**Faster Charging:** They are a lot faster in charging compared to charging a large battery to its full range.

**Source:** [DTE](#)

**ENVIRONMENT**

---

**Q.1) Eublepharis pictus sometimes seen in news is a species of?**

- a) Gecko
- b) Frog
- c) Spider
- d) Snake

**Answer: a**

- A gecko found in Visakhapatnam in 2017, then thought to belong to a known species, has now been identified as a member of a new species. The species, Eublepharis pictus, also known as the Painted Leopard Gecko, has been described in the journal Evolutionary Systematics.

**Source:** [Article](#)

**Q.2) With reference to India's International Liquid Mirror Telescope (LMT), consider the following statements:**

1. India has the only liquid-mirror telescope operational anywhere in the world.
2. It can be steered to track specific stellar source objects.

**Which of the statements given above is/are correct?**

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

**Answer: a**

- **Statement 1 is correct:** Established on the campus of the Devasthal Observatory of the Aryabhata Research Institute of Observational Sciences (ARIES) in Nainital, the International Liquid Mirror Telescope (ILMT) is the only liquid-mirror telescope operational anywhere in the world. It will also hold the unique tag of being the maiden liquid-telescope globally to be designed exclusively for astronomical purposes.
- **Statement 2 is incorrect:** Unlike the conventional telescopes that can be steered to track specific stellar source objects, the ILMT will be stationary. It will basically carry out observations and imaging at the zenith, that is, of the overhead sky. This is a survey telescope having high potential for discovering newer objects.

**Source:** [Article](#)

**Q.3) Durgavati wildlife sanctuary is located in which of the following states?**

- a) Uttar Pradesh
- b) Rajasthan
- c) Madhya Pradesh
- d) Haryana

**Answer: c**

Durgavati wildlife sanctuary is in Madhya pradesh.

## 10 PM Compilation for the Month of June, (First Week) 2022

- The final report of Integrated Landscape Management Plan for Greater Panna Landscape was released recently. The Integrated Landscape Management Plan is expected to enhance tiger carrying capacity in the landscape by strengthening connectivity with Nauradehi wildlife sanctuary and Durgavati wildlife sanctuary in MP and Ranipur wildlife sanctuary in UP.

**Source:** [Article](#)

### Q.4) Krasnopol sometimes seen in news is a?

- a) Laser-guided projectile
- b) Weapon locating radar
- c) Intercontinental Ballistic Missile
- d) A GPS-guided drone

**Answer: a**

- The Krasnopol is a Russian-developed and Russian-produced semiactive laser-guided projectile.

**Source:** [Article](#)

### Q.5) With reference to UN Special Rapporteurs, consider the following statements:

1. They are independent experts who work on a country or a thematic mandate specified by the United Nations Human Rights Council.
2. They do not receive any financial compensation for their work from the United Nations.

**Which of the statements given above is/are correct?**

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

**Answer: c**

Recently, U.N. special rapporteurs seek information from the Government of India on alleged human rights violations in Jammu & Kashmir

About U.N. special rapporteurs:

- They are independent experts working on behalf of the United Nations. They work on a country or a thematic mandate specified by the United Nations Human Rights Council.
- They have mandates to report and advise on human rights (civil, cultural, economic, political, and social) from a thematic or country-specific perspective.
- Rapporteurs do not receive any financial compensation for their work from the United Nations.

## 10 PM Compilation for the Month of June, (First Week) 2022

**Q.6) With reference to Kosi River, consider the following statements;**

1. Kosi carries the maximum amount of silt and sand in India.
2. The river flows through Tibet, Nepal and India.

**Which of the statements given above is/are correct?**

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

**Answer: A**

**Statement 1 is incorrect:** Kosi carries the maximum amount of silt and sand after the Brahmaputra in India.

**Statement 2 is correct:** The Kosi is a trans-boundary river which flows through Tibet, Nepal and India. Its three major tributaries, the Sun Kosi, Arun and Tamur meet at one point just upstream of a 10 km gorge cut through the Himalayan foothills.

Source: [DTE](#)

**Q.7) With reference to E-transmission Moratorium, consider the following statements;**

1. The moratorium is on digitizable products like photographic films, music, media, software and video games.
2. India wants the Moratorium to continue for longer period.
3. The Moratorium benefits developed countries more than the developing countries.

**Which of the statements given above is/are correct?**

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

**Answer: A**

**Statement 1 is correct:** WTO members have agreed not to impose customs duty on electronic transmission since 1998 and the moratorium has been periodically extended at the Ministerial Conferences, which is the highest decision-making body of the WTO.

The moratorium is on digitizable products like photographic films, cinematographic films, printed matter, music, media, software and video games.

**Statement 2 is incorrect:** At the 12th Ministerial Conference(MC) in June 2022, many WTO members are seeking a temporary extension of the moratorium till the 13th MC, but India does not want this time to continue this further.

Allowing the moratorium to lapse is important for developing nations like India to preserve policy space for their digital advancement, to regulate imports and generate revenue through customs duties.

**Statement 3 is correct:** It has been argued that the percentage of customs revenue lost due to foregoing duty on e-transmission for developing nations is 4.35% while that of the developed countries is a mere 0.24%.

Source: [The Hindu](#)

## 10 PM Compilation for the Month of June, (First Week) 2022

**Q.8) Agriculture land price index is released by which of the following organisation/Institute?**

- a) Department of Agriculture and Farmers Welfare
- b) IIM-Ahmedabad(IIM-A)
- c) Small Farmers Agribusiness Consortium
- d) Indian Council of Agricultural Research (ICAR)

**Answer: B**

IIM-Ahmedabad(IIM-A) has joined hands with SFarms India (an e-marketplace for agricultural land) to launch a farm land price index called IIM-Ahmedabad SFarmsIndia Land Price Index (ISALPI).

The index will track the price movements in the marketplace and come up with a composite pricing mechanism on a monthly basis which will be updated twice a year.

The index has been started on a pilot basis in Andhra Pradesh, Karnataka, Maharashtra, Tamil Nadu, Telangana, and Uttar Pradesh.

Source: [Business Standard](#)

**Q.9) With reference to Airbags in cars, Consider the following statements;**

- 1. Dual airbags became mandatory on all M1 category vehicles in India.
- 2. Front airbags are designed to inflate in order to prevent a person's head and chest from contacting hard structures in the vehicle.

**Which of the statements given above is/are correct?**

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

**Answer: C**

Both the statements are correct.

'Category M' covers motor vehicles with at least four wheels, used for carrying passengers.

Sub-category 'M1' defines "a motor vehicle used for the carriage of passengers, comprising not more than eight seats in addition to the driver's seat". This category effectively subsumes the bulk of the passenger vehicles on India's roads.

Dual airbags (driver and passenger) became mandatory on all M1 category vehicles this January. A driver airbag has been compulsory for all passenger vehicles since July 1, 2019. **(Statement 1 is correct)**

Additional airbags are proposed in the 'M1' category of vehicles, with the aim of minimising the impact of "frontal and lateral collisions" to the occupants of both the front and rear compartments. As per the proposal, two side or side torso airbags, and two side curtain or tube airbags covering all outboard passengers, will be made mandatory.

Front airbags are designed to inflate in order to prevent a person's head and chest from contacting hard structures in the vehicle. **(Statement 2 is correct)**

Source: [Indian Express](#)



**Q.10) With reference to the 'Use and File' system, consider the following statements;**

1. Under this system, Companies are permitted to market products without the regulator's prior approval, thus avoiding a long wait.
2. The system is mostly used in Fast-moving consumer goods (FMCG) sector.

**Which of the statements given above is/are correct?**

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

**Answer: D**

**Statement 1 is incorrect:** Under 'Use and File', insurance firms are permitted to market products without the regulator's prior approval, thus avoiding a long wait.

**Statement 2 is incorrect:** The system is mostly used in Insurance sector. The system will facilitate insurance firms to quickly introduce new schemes with innovative features, enabling people to participate and cover their health expenses.

**Source:** [Indian Express](#)

## SCHEMES AND PROGRAMS

---

**Q.1) With reference to Shrestha Scheme, consider the following statements:**

1. The students belonging to Scheduled Castes studying in class 8th and 10th in the current academic year are eligible for availing the benefits of scheme.
2. Ministry of Social Justice and Empowerment is the nodal ministry for the scheme.

**Which of the statements given above is/are correct?**

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

**Answer: c**

**Statement 1 is correct:** The students belonging to Scheduled Castes studying in class 8th and 10th in the current academic year are eligible for availing the benefits of scheme.

- However, students belonging to marginalized income groups within the SC community are eligible only if their parental annual income is up to Rs.2.5 Lakh.

**Statement 2 is correct:** Ministry of Social Justice and Empowerment is the nodal ministry for the scheme.

**Source:** [Article](#)

**Q.2) With reference to Cantor's Giant Softshell Turtle, consider the following statements:**

1. It is a freshwater species.
2. Its habitat ranges from Malaysia to India.
3. It is listed as vulnerable in the IUCN red list of species.

**Which of the statements given above is/are correct?**

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

**Answer: a**

- **Statement 1 is correct:** Cantor's giant softshell turtle (*Pelochelys cantorii*) also known commonly as Asian giant softshell turtle and the frog-faced softshell turtle is a species of freshwater turtle in the family Trionychidae.
- **Statement 2 is correct:** Its habitat ranges from Malaysia to India. Its presence in India has been recorded only a dozen times in 20 years with sightings being reported anecdotally from Odisha, Tamil Nadu and West Bengal.
- **Statement 3 is incorrect:** It is listed as Critically Endangered in the IUCN red list of species.

**Source:** [Article](#)

## 10 PM Compilation for the Month of June, (First Week) 2022

### Q.3) Consider the following statements:

1. He was a Bairagi sadhu.
2. He was the first Sikh military leader to wage an offensive war against the Mughal rulers of India thereby temporarily extending Sikh territory.
3. He was martyred near a gate en-route to the tomb of so-called Sufi saint Qutub-ud-din Bakhtiar kaki at Mehrauli.

### Which of the following personalities is being talked about in the statements given above?

- a) Ranjit Singh
- b) Banda Bahadur
- c) Kharak Singh
- d) Baba Deep Singh

### Answer: b

- Baba Banda Singh Bahadur was born in the Rajput family (1670, Rajouri). His original name was Baba Madhav Das and **he was a Bairagi Sadhu.**
- He was the first Sikh military leader to wage an offensive war against the Mughal rulers of India thereby temporarily extending Sikh territory.
- Baba Banda Singh Bahadur and his son Ajai Singh were martyred on 9 June, 1716 A.D. along with his other 18 companions near a gate en-route the tomb of so-called Sufi saint Qutub-ud-din Bakhtiar kaki at Mehrauli.
  - His glorious martyrdom validates Bhagat Kabir's rendition in Guru Granth Sahib.

Source: [Article](#)

### Q.4) With reference to Eco-Sensitive Zones, consider the following statements:

1. Eco-Sensitive Zones (ESZ) is areas in India notified by the Ministry of Environment, Forests and Climate Change (MoEFCC).
2. Environment Protection Act, 1986 mentions the word Eco-Sensitive Zones.

### Select the correct answer using the codes given below:

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

### Answer: a

#### Eco-Sensitive Zones:

- Eco-Sensitive Zones (ESZ) or Ecologically Fragile Areas (EFAs) are areas in India notified by the Ministry of Environment, Forests and Climate Change (MoEFCC) around protected areas such as national parks and wildlife sanctuaries.
- The objective of declaring an area as ESZ is to create some kind of "shock absorbers" to the protected areas by regulating and managing the activities around such areas.
- ESZs also act as the buffer zones from areas of high protection to areas accorded relatively milder protection.
- It is to be noted that though Environment Protection Act, 1986 does not mention the word "Eco-Sensitive Zones", the government uses section 3(2)(v) of the Environment Protection Act, 1986 and rule 5(1) of the Environment (Protection) Rules, 1986 to declare ESZs and EFAs.

## 10 PM Compilation for the Month of June, (First Week) 2022

**Q.5) With reference to Enforcement Directorate (ED), consider the following statements:**

1. It is mandated with the task of enforcing the provisions of the Foreign Exchange Management Act and the Prevention of Money Laundering Act.
2. It is a statutory body.
3. Like CBI, Enforcement directorate can also register a case on its own.

**Which of the statements given above is/are correct?**

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

**Answer: a**

- **Statement 1 is correct**
- **Statement 2 is incorrect:** It is not a statutory body. It is an agency under Min of Finance.
- **Statement 3 is incorrect:** ED, unlike CBI, cannot register a case on its own. It is required by the agencies such as CBI or state police to register an offense based on which the ED Case Information Report is filed by Enforcement Directorate.

**Q.6) With reference to Puneet Sagar Abhiyan, consider the following statements:**

1. One of its objectives is to increase awareness amongst the local population about the importance of keeping the beaches and river fronts clean.
2. It has been launched by Indian army in collaboration with Indian navy.

**Which of the statements given above is/are correct?**

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

**Answer: a**

- **Statement 1 is correct:** Its objective is to clean Sea Shores/Beaches and other water bodies including rivers & lakes of plastic & other waste and increase awareness amongst the local population about the importance of keeping the beaches and river fronts clean.
- **Statement 2 is incorrect:** The Abhiyan has been launched by NCC (National Cadet Corps).

**Source:** [Article](#)

**Q.7) With reference to Direct-to-Mobile (D2M) Broadcasting technology, consider the following statements:**

1. It doesn't require an active internet connection for broadcasting.
2. It will help the telecom service providers to decongest valuable mobile spectrum.

**Which of the statements given above is/are correct?**

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

**Answer: c**

## 10 PM Compilation for the Month of June, (First Week) 2022

- **Statement 1 is correct:** Direct-to-Mobile'(D2M) Broadcasting technology allows broadcast of video and other forms of multimedia content directly to mobile phones, without needing an active internet connection.
- **Statement 2 is correct:** One of the advantages of D2M technology is that it can enable telecom service providers to offload video traffic from their mobile network onto the broadcast network thus helping them to decongest valuable mobile spectrum. This will also improve usage of mobile spectrum and free up bandwidth which will help reduce call drops, increase data speeds etc.

Source: [Article](#)

**Q.8) Forest bathing sometimes seen in news is associated with which of the following countries?**

- a) India
- b) Japan
- c) Indonesia
- d) China

**Answer: b**

- Under the practice of '**forest bathing**' which originated in Japan — this means stepping away from our work and screens, going outside to a place with trees and plants and taking time to absorb the freshness, colours, textures and fragrances of that experience.

Source: [Article](#)

**Q9 Which of the following is/are the potential use cases of Virtual Private Networks (VPNs)?**

1. End to end encryptions for corporate communications
2. Opening geo-blocked websites.
3. Accessing online banking services only available to residents of a given country.

**Select the correct answer from the codes given below:**

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

**Answer: d**

By surfing through a VPN, **users can mask a large proportion of personal data**, obfuscate location, and conceal surfing patterns. This makes them useful to people with many different use-cases. **For instance:** They can be used by the following -

- **Human rights activists** who don't wish to be tracked by hostile regimes

- **Corporates** seeking end-to-end encryption for communications. Also, in the WFH era, corporates routinely give a geographically widespread set of employees secure log-ins tied to a single VPN-based location

- People who wish to **access geo-blocked websites**, and content. VPNs allow users to communicate privately, and to access websites that autocrats block. For instance: Russia, Iran and China block and ban VPNs, and hand out jail-time and fines for anybody caught using them.

## 10 PM Compilation for the Month of June, (First Week) 2022

- People who wish to **access online banking services only available to residents of a given country**
- Those who simply wish to **protect their data**
- People who want to **access Netflix or Amazon Prime content from, let's say, Mexico**, while sitting in Delhi.

VPN providers offer combinations of **privacy**, and **data security**. Most keep no logs of users, and maintain as little user-data as possible.

**Source:** [Article](#)

### **Q.10) With reference to Pardoning power of president, Consider the following statements:**

1. Respite means delay allowed in the execution of a sentence especially that for a death sentence for a temporary period.
2. Remission means reducing the quantum or degree of punishment of the convicted person considering special circumstances.

**Which of the statements given above is/are correct?**

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

**Answer: d**

- A reprieve means a delay allowed in the execution of a sentence especially that for a death sentence for a temporary period. The purpose of it enables the guilty person to seek presidential pardon or any other legal remedy to prove himself innocent.
- Respite which means reducing the quantum or degree of punishment of the convicted person considering special circumstances such as in the case of pregnancy, the death penalty may be commuted to imprisonment for life.
- Remission means changing the quantum of the punishment without changing its nature.
- Section 432 of the Code of Criminal Procedure, 1973 provides the power to suspend or remit sentences of punishment by the appropriate government. It states that the appropriate government with or without conditions may at any time accept, suspend or remit the punishment for an offence wholly or any part of the punishment.