

## *10 PM Current Affairs Quiz Compilation*

**9<sup>th</sup> May to 14<sup>th</sup> May, 2022**

**PRELIMS**

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**Q.1) 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.2) Consider the following:**

1. Education
2. Public health and sanitation
3. Agriculture, including agricultural education and research.

**Which of the above is/are the part of the State list under the seventh schedule of the Indian constitution?**

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

**Answer: C**

By an amendment in 1976 and education became a concurrent list subject which enables the central government to legislate it in the manner suited to it. Public health and sanitation and Agriculture, including agricultural education and research are in the state list

## 9 PM Compilation for the Month of May, (Second Week) 2022

**Q.3) Which of the following is an area of usage geo-textiles?**

1. Road construction
2. Soil conservation
3. Protecting the terrain

**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**

- A geo-textile is any permeable textile used to increase soil stability, provide erosion control, aid in drainage, and reinforce or protect the terrain. They usually come in three forms – woven, needle-punched and heat bonded.
- Apart from road construction, geotextiles can be used for soil conservation, as erosion control blankets and so on.

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

**Q.4) With reference to CAPF Punarvas scheme, consider the following statements:**

1. The scheme will facilitate retired Central Armed Police Force (CAPF) and Assam Rifle personnel to secure employment with private security agencies.
2. The scheme has been launched by the Ministry of Defence.

**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:** With an aim to facilitate retired Central Armed Police Force (CAPF) and Assam Rifle personnel to secure employment with private security agencies, the Ministry of Home Affairs under the directions of the Union Home Minister, Shri Amit Shah has launched 'CAPF Punarvaas', through the Welfare & Rehabilitation Board (WARB).
- **Statement 2 is incorrect:** Scheme has been launched by the Ministry of Home Affairs.

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

**Q.5) *Prosotas dubiosa* sometimes seen in news is a species of?**

- a) Spider
- b) Butterfly
- c) Frog
- d) Lizard

**Answer: b**

- Tailless Lineblue or *Prosotas dubiosa* or Small Purple Lineblue is a blue butterfly (Lycaenidae) species found in Asia to Australia.
- The species was first described by Georg Semper in 1879.

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

**Q.6) With reference to Humidity and heatwave, consider the following statements:**

1. As humidity rises, sweat evaporate faster and it is easy to regulate body temperature.
2. Heatwaves are formed due to magnified effect of paved and concrete surfaces in urban areas.

**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:** As humidity rises, sweat does not evaporate and makes it difficult to regulate body temperature.

**Statement 2 is correct:** The major reason behind the formation of heatwaves are,

- Magnified effect of paved and concrete surfaces in urban areas.
- Urban heat island effects.
- High intensity of UV rays in medium-high heat wave zones.

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

## 9 PM Compilation for the Month of May, (Second Week) 2022

**Q.7) With reference to monkeypox, consider the following statements:**

1. It is transmitted from infected animals to humans.
2. The fatality rate of monkeypox is more than 50%.
3. There is no safe, proven treatment for monkeypox yet.

**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: C**

**Statement 1 is correct:** Monkeypox is transmitted from infected animals to humans.

**Statement 2 is incorrect:** According to the WHO, the proportion of patients who die has varied between 0 and 11% in documented cases, and has been higher among young children.

**Statement 3 is correct:** There is no safe, proven treatment for monkeypox yet.

Source: [Indian Express](#)

**Q.8) With reference to Pulsars, consider the following statements:**

1. Pulsars are among the few celestial objects that emit circular polarised light.
2. A pulsar is a neutron star that rotates quickly and releases two polarised radio lights.

**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**

A pulsar (from pulsating radio source) is a neutron star that rotates quickly and releases two polarised radio lights. The beams create a unique timing and polarisation signature as they burst across space.

Pulsars are among the few celestial objects that emit circular polarised light.

Recently, An object that astronomers thought was a distant galaxy has now been discovered as the brightest extra-galactic pulsar ever seen. This pulsar could be the most luminous one ever found- 10 times brighter than any other detected.

Source: [The Hindu](#)

## 9 PM Compilation for the Month of May, (Second Week) 2022

**Q.9) With reference to the Virtual Private Networks (VPN), consider the following statements:**

1. VPN masks a person's actual Internet Protocol (IP) address, so the online actions are virtually untraceable.
2. Corporates use VPNs to mask their identity from the government.

**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:** VPN masks a person's actual Internet Protocol (IP) address, so the online actions are virtually untraceable.

**Statement 2 is incorrect:** Corporates use VPNs to create an internal network that can be accessed by their employees even when they aren't within the office premises, which is a very important use case under the current work-from-home conditions. Without VPNs, competitors can use third-party trackers and target important employees online to extract confidential business data.

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

**Q.10) With reference to Front-running, consider the following statements;**

1. It involves purchasing stock based on advance non-public information regarding an expected large transaction that will affect the price of the shares.
2. Front Running is legal 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:** It involves purchasing stock based on advance non-public information regarding an expected large transaction that will affect the price of the shares.

**Statement 2 is incorrect:** Front-running is illegal in India.

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

**PRELIMS**

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**Q.1) Arrange the following from North to South:**

1. Duncan passage
2. Little Nicobar
3. Ten-degree channel

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

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

**Answer: d**

The correct order from North to South is -

- Duncan passage
- Ten degree channel
- Little Nicobar

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

**Q.2) With reference to Biodiversity, consider the following statements:**

1. Avian diversity peaks globally in the tropics
2. The highest richness of threatened species is found in temperate zones.

**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:** Avian diversity peaks globally in the tropics
- **Statement 2 is incorrect:** The highest richness of threatened species is found in tropics.

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

## 9 PM Compilation for the Month of May, (Second Week) 2022

**Q.3) With reference to Atal Pension Yojana, consider the following statements:**

1. The scheme is administered by the Pension Fund Regulatory and Development Authority.
2. All bank account holders who are not members of any statutory social security scheme are eligible for the Atal Pension Yojana.

**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.**

- The scheme is administered by the Pension Fund Regulatory and Development Authority through the National Pension System (NPS).
- Atal Pension Yojana (APY) is open to all bank account holders who are not members of any statutory social security scheme.

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

**Q.4) Which of the following statements best describes “Renewable Purchase obligation”?**

- a) It is a policy instrument that requires distribution companies, energy producers and certain consumers to obtain a share of their electricity from renewable sources
- b) It refers to practices and policies undertaken by corporations established in India to increase their investment in renewable energy that will have a positive influence on the environment.
- c) It allows a country with an emission-reduction or emission-limitation commitment to implement a project in the renewable energy sector.
- d) It is a fee to be paid by an Individual to stop their personal vehicle from getting scrapped after it has failed the fitness test as announced in the recently released voluntary vehicle scrapping policy.

**Answer: A**

- Renewable purchase obligation (RPOs) are a policy instrument to ensure the uptake of renewable energy. They require Distribution companies (discoms), energy producers and certain consumers to obtain a share of their electricity from renewable sources.
- As renewable deployment remains highly concentrated in a few resource-rich states. Enabling greater inter-regional transfer of RE can help reduce the financial burden on discoms. This can be done through the physical transfer of power through grid interconnections, or through the mechanism of tradable renewable energy certificates.



## 9 PM Compilation for the Month of May, (Second Week) 2022

**Q.5) With reference to Cryptocurrencies and Non-Fungible Tokens (NFTs), consider the following statements:**

1. Bitcoin is fungible.
2. Anything digital can be converted into an NFT and monetized.

**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.**

- **Statement 1 is correct:** Cryptocurrencies designed to operate as currencies, such as bitcoin, **are fungible**, which means that any two bitcoins are similar and thus interchangeable.
- **Statement 2 is correct:** Anything digital - images, videos, music, online version of various articles - can be converted into an NFT and monetized.

**Q.6) With reference to Occurrence of Cyclones in India, consider the following statements:**

1. India has a bi-annual cyclone season that occurs between March to May and October to December.
2. Cyclones are less common during the June to September monsoon season because wind shear is very low.

**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 has a bi-annual cyclone season that occurs between March to May and October to December.

**Statement 2 is incorrect:** Cyclones are less common during the June to September monsoon season because wind shear is very high. Wind shear the difference between wind speeds at lower and upper atmospheric levels. As a result, clouds do not grow vertically and monsoon depressions often fail to intensify into cyclones.

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

## 9 PM Compilation for the Month of May, (Second Week) 2022

**Q.7) With reference to standard model of particle physics, consider the following statements:**

1. The standard model is thought to be incomplete because it omits gravity.
2. The model does not include clear description of dark matter particles.

**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**

The Standard Model of Elementary Particles is a theoretical construct in physics that describes particles of matter and their interaction.

It is a description that views the elementary particles of the world as being connected by mathematical symmetries, just as an object and its mirror image are connected by a bilateral (left-right) symmetry.

However, the standard model believed to be incomplete because,

- The standard model is thought to be incomplete because it gives a unified picture of only three of the four fundamental forces of nature — electromagnetic, weak nuclear, strong nuclear and gravitational interactions — it totally omits gravity.
- The model does not include a description of dark matter particles. So far these have been detected only through their gravitational pull on surrounding matter.

**Source:** [The Hindu](#)

**Q.8) With reference to Harappan Civilization, consider the following statements:**

1. Egyptian cities used burnt bricks, but the contemporary buildings of Harappan Civilization used only sun dried bricks.
2. Harappan Civilization have signs of three tiers of habitation such as aristocratic settlement, common settlements and middle-rung settlements.

**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:** Harappan cities used burnt bricks, but the contemporary buildings of Egypt use mainly dried bricks.

## 9 PM Compilation for the Month of May, (Second Week) 2022

**Statement 2 is correct:** Harappan Civilization have signs of three tiers of habitation such as aristocratic settlement, common settlements and middle-rung settlements.

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

**Q.9) Consider the following statements;**

1. He was referred to as 'Gurudev', 'Kabiguru', and 'Biswakabi'.
2. He published his first poems aged 16 under the pen-name 'Bhanusimha'.
3. He established the Vishwa-Bharati University, a university that challenged conventional education.

**Which of the following personality is described in the lines above?**

- a) Harivansh Rai Bachhan
- b) Shyamlal Gupta
- c) Hasrat Mohani
- d) Rabindranath Tagore

**Answer: D**

Source: [PIB](#)

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

- a) Preventing smuggling of wildlife, animal parts and forest products through rail.
- b) Counter insurgency operation conducted by Assam Rifles.
- c) Indian government's evacuation mission from Ukraine.
- d) Indian Military Operation that led to the incorporation of Portuguese India (Goa, Daman, and Diu) into India.

**Answer: B**

**Operation WILEP:** Under this, RPF takes action against the smuggling of wildlife, animal parts and forest products through rail.

**Operation Ganga:** Indian government's evacuation mission from Ukraine.

**Operation Vijay:** Operation by the Military of India that led to the incorporation of Portuguese India (Goa, Daman, and Diu) into India.

**Operation Dudhi:** A team of 15 soldiers of the Assam Rifles' 7th Battalion led by Naib Subedar Padam Bahadur Chhetri had on May 5, 1991, gunned down 72 Pakistan-trained extremists and captured 13 others at 14,000 ft in J&K. Two Assam Rifles soldiers died during the six-hour gun battle.

Recently, Assam Rifles felicitated the surviving soldiers of Operation Dudhi. The operation is marked as India's most successful counter-insurgency operation which is conducted more than 30 years ago.

**Source:** [The Hindu](#)

PRELIMS

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**Q.1) With reference to coral reefs, consider the following statements:**

1. Coral reefs are absent in cold waters.
2. All types of coral reefs need sunlight to survive.

**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:** They are also found in cold waters (temperature as low as 4°C) at depths between 40m to 2000m
- **Statement 2 is incorrect:** Coral reefs present in cold waters do not require sunlight to survive and don't have zooxanthellae living in their polyps.

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

**Q.2) In which of the following ways do the birds contribute to the various ecosystem services?**

1. Pest control
2. Birdwatching
3. Seed dispersers

**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**

- Birds **contribute toward many ecosystem services** that either directly or indirectly benefit humanity. These include provisioning, regulating, cultural, and supporting services.
- The **functional role of birds within ecosystems** as pollinators, seed-dispersers, ecosystem engineers, scavengers and predators facilitates accrual and maintenance of biodiversity. It also supports human endeavours such as **sustainable agriculture via pest control**, besides aiding other animals to multiply.
- The **cultural role of birds** is perhaps more important than any other taxonomic group, the study says. Beyond its symbolic and artistic values, **birdwatching is a global pastime** practised by millions of people.

## 9 PM Compilation for the Month of May, (Second Week) 2022

**Q.3) With reference to Advanced Chemistry Cell (ACC) batteries, consider the following statements:**

1. They can store electric energy either as electrochemical or as chemical energy.
2. Currently, all the demand for the ACCs is satisfied through imports 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: C**

- ACCs are the new generation of advanced storage technologies. They can store electric energy either as electrochemical or as chemical energy. The cells then can convert it back to electric energy as and when required.
- Currently, all the demand for the ACCs is satisfied through imports in India.

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

**Q.4) With reference to Ocean warming, consider the following statements:**

1. Ocean warming is slowing algae growth in shallow wetland areas.
2. Ocean warming is accelerating sea level rise which causes coastal flooding.

**Which of the above is /are the impact that ocean warming is having on coastal wetlands?**

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

**Answer: D**

- Sea levels are rising because of the combination of melting ice and thermal expansion, resulting in flooding. Ocean warming will accelerate the growth of many species of algae.

**Q.5) Which of the following practices will help in Preventing Ground water exploitation?**

1. Zero Tillage
2. Replacing sugarcane plantation with cotton
3. Adoption of modern precision irrigation technologies

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

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

**Answer: A**

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- Cotton is also a water intensive crop. Following are the Typical Crop water requirement (in litres) per kilogram of crop. For Cotton 7,000 - 29,000 and for Sugar Cane it is 1,500 - 3,000.
- The No Till system is very effective to increase soil water infiltration, to reduce evaporation from soil and also to reduce water run-off. The water availability for crops is increased. The savings in soil moisture can be just as important, especially in a year when soil moisture and precipitation are short or when irrigation is costly or water supplies are limited.

**Q.6) Who among the following rejected the title of Knighthood and refused to accept a position in the Council of the Secretary of State for India?**

- a) Motilal Nehru
- b) M.G. Ranade
- c) G.K. Gokhale
- d) B.G. Tilak

**Answer: C**

The Prime Minister of India paid tribute to Gopal Krishna Gokhale on his Jayanti.

Gopal Krishna Gokhale was a great social reformer and educationist who provided exemplary leadership to India's freedom movement. He rejected the title of Knighthood and refused to accept a position in the Council of the Secretary of State for India.

- He established the Servants of India Society in 1905 for the expansion of Indian education.
- He was also associated with the Sarvajanik sabha journal started by Govind Ranade.
- In 1908, Gokhale founded the Ranade Institute of Economics.
- He started English weekly newspaper, The Hitavada (The people's paper).

Source: [PIB](#)

**Q.7) Which of the following is/are the impacts of Depreciation of Indian Rupee?**

1. Current Account Deficit will widen.
2. Corporate profit margin may increase.
3. Reduction in foreign trips by Individuals.

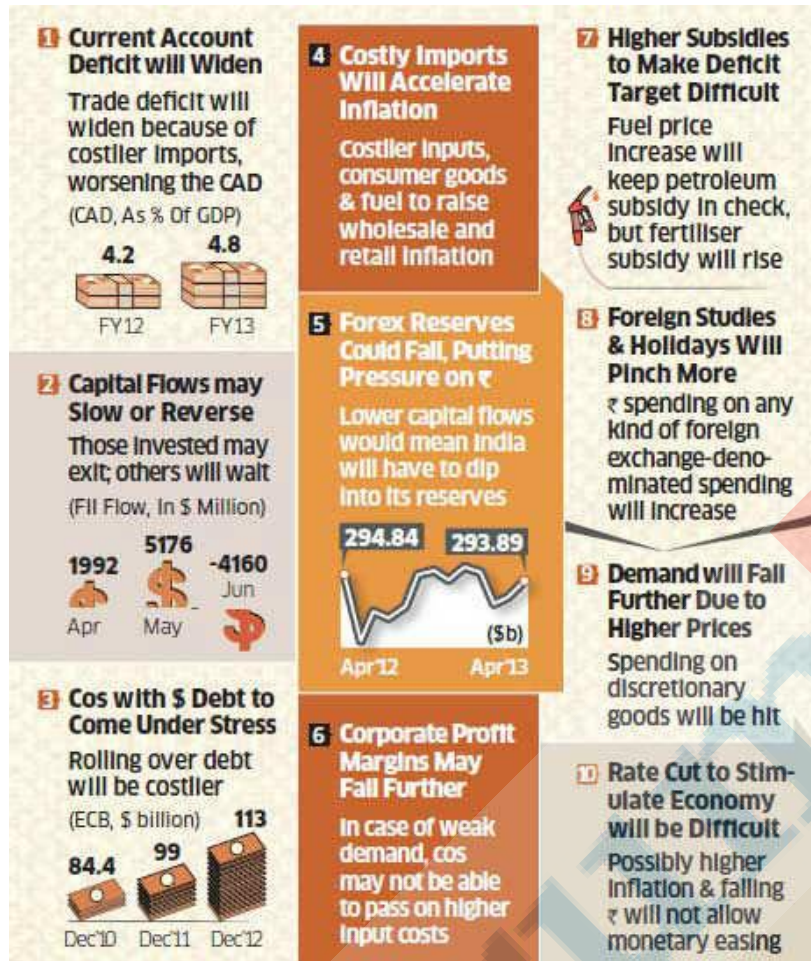
**Select the correct answer from the codes given below.**

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

**Answer: C**

With depreciation, imports become more expensive and exporters earn more money. This will result in the following impacts,





Source: [The Hindu](#)

**Q.8) With reference to Radio Access Network(RAN), consider the following statements:**

1. RAN uses cellular radio connections to link individual devices to other parts of a network.
2. With Open RAN, telecom players would have the flexibility to use in-house solutions or solutions from multiple vendors for RAN services.

**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.**

RAN is a key part of a mobile network system that uses cellular radio connections to link individual devices to other parts of a network.

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It comprises antennae which transmit and receive signals to and from our smartphones or other compatible devices. The signal is then digitized in the RAN-base station and connected to the network.

About Open RAN

Currently, RAN is provided as an integrated platform of both hardware and software. Therefore, it is difficult to mix vendors for the radio and baseband unit and in most cases, they come from the same supplier.

The idea of Open RAN is to change this. It aims to enable a multi-supplier RAN solution that allows for the separation - or disaggregation - between hardware and software.

Source: [PIB](#)

**Q.9) Oxybenzone is most likely present in which of the following?**

- a) Toiletries
- b) Sun Screens
- c) Plastic Containers
- d) Body Deodorants

**Answer: B**

Researchers have identified a mechanism by which oxybenzone - a common sunscreen component - may be hastening the demise of reefs.

Oxybenzone is the sun-blocking agent in many sun creams. Its chemical structure causes it to absorb UV rays, preventing damage to skin cells.

But it has attracted controversy in recent years after studies reported that it can damage coral reefs. These concerns have led to some beaches in Hawaii, Palau and the US Virgin Islands, banning oxybenzone-containing sunscreens.

Source: [DTE](#)

**Q.10) Which one of the following pairs of islands is separated from each other by the 'Ten Degree Channel'?**

- a) Andaman and Nicobar
- b) Nicobar and Sumatra
- c) Maldives and Lakshadweep
- d) Sumatra and Java

**Ans: A**

Eight Degree channel: The maritime boundary between the Maldives and India runs through the Eight Degree Channel. It separates the islands of Minicoy and Maldives.

Nine Degree channel: It separates the island of Minicoy from the main Lakshadweep archipelago.

Ten Degree channel: It separates the Andaman Islands and the Nicobar Islands from each other in the Bay of Bengal.

Source: [The Hindu](#)



PRELIMS

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**Q.1) With reference to Tomato flu, consider the following statements:**

1. It can spread from person to person.
2. There's no specific drug for this flu.

**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.**

- Like other cases of flu, tomato fever is also contagious. If someone is infected with this flu, they need to be kept in isolation as this could spread rapidly from one person to another,
- This flu is a self-limiting one and there is no specific drug for this. This means that the symptoms will resolve overtime on their own if supportive care is given.

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

**Q.2) With reference to the United Nations Convention to Combat Desertification (UNCCD), consider the following statements:**

1. The Convention addresses specifically the arid, semi-arid and dry sub-humid areas.
2. It is the only convention stemming from a direct recommendation of the Rio Conference's Agenda 21.

**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 Convention addresses specifically the arid, semi-arid and dry sub-humid areas, known as the dryland, where some of the most vulnerable ecosystems and peoples can be found.
- **Statement 2 is correct:** It is the only legally binding instrument that came out as a result of a direct recommendation of Agenda 21.

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

## 9 PM Compilation for the Month of May, (Second Week) 2022

**Q.3) Prakash Singh judgement sometimes seen in news is associated with which of the following?**

- a) Amendability of Preamble
- b) Police reforms
- c) Basic structure of the Constitution
- d) President's rule

**Answer: b**

- The Prakash Singh judgement issued a series of measures that were to be undertaken by the governments to ensure the police could do their work without worrying about any political interference.

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

**Q.4) The right of a pregnant woman to continue pregnancy or not is part of which of the following fundamental rights in India?**

- 1. Right to Life
- 2. Right to Privacy
- 3. Right to Health

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

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

**Answer: D**

- In case of abortion in certain circumstances, permission to terminate the pregnancy was sought from the judiciary. In various case, the courts had ruled that the **right of a pregnant woman to decide on the continuation of her pregnancy is a part of her right to health and right to life.** Therefore, right is **non-negotiable.**
- After **the right to privacy judgment**, it has been argued that the right of a pregnant person to **continue a pregnancy or not has to be part of the right to privacy and the right to life.**

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

## 9 PM Compilation for the Month of May, (Second Week) 2022

### Q.5) Consider the following statements

1. Direct taxes go entirely to the Central government in India
2. As per recommendations of 15th Finance Commission, Central government is supposed to distribute 41% of its total revenue to the states.

### 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.** in India, direct taxes go entirely to the Central government.
- **Statement 2 is correct.** As per 15th Finance commission (FC) report The Central government is supposed to distribute 41% of its gross tax revenues (reduced from 42% after the formation of new Union Territories in Jammu and Kashmir) to the State governments.

### Q.6) Pantanal Wetland which is seen in news recently, is located in which of the following country?

- a) India
- b) Spain
- c) Brazil
- d) Mexico

### Answer: C

Pantanal Wetland ( world's largest wetland) is at the risk of collapse due to a series of decisions that aims to open up the wetland to more intensive uses that collectively threaten the long-term survival of the Wetland.

Pantanal Wetland is a natural region encompassing the world's largest tropical wetland area and the world's largest flooded grasslands.

**Location:** It is located mostly within Brazil, but it extends into portions of Bolivia and Paraguay.

Source: [DTE](#)

## 9 PM Compilation for the Month of May, (Second Week) 2022

**Q.7) With reference to Association of Asian Election Authorities(AAEA), consider the following statements:**

1. AAEA aims to promote and institutionalize open and transparent elections, independent and impartial election authorities.
2. India is not a member of AAEA.

**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:** AAEA aims to promote and institutionalize open and transparent elections, independent and impartial election authorities.

**Statement 2 is incorrect:** India is a member of AAEA. Recently, India has been unanimously elected as the new Chair of the AAEA for 2022-2024 at Manila, Philippines.

Source: [AIR](#)

**Q.8) With reference to Adenovirus, consider the following statements:**

1. Adenovirus infections are fatal and they require sophisticated treatments.
2. Scientists have used modified adenoviruses to build other vaccines.

**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:** Adenovirus Infections are mild, and they typically get better on their own.

**Statement 2 is correct:** Scientists have used modified adenoviruses to build other vaccines such as those that protect against COVID-19.

Source: [Livemint](#)

**Q.9) Mission Amrit Sarovar** is related to which of the following?

- a) To make India ODF within 2 years in Mission Mode.
- b) To reduce drinking water scarcity in Indian Cities.
- c) To revamp rivers in Indian forests.
- d) To develop and rejuvenate water bodies in each district of the country.

**Answer: D**

The Prime Minister has launched a Mission Amrit Sarovar.

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The Mission aims to develop and rejuvenate 75 water bodies in each district of the country as a part of the celebration of Azadi ka Amrit Mahotsav. In total, it would lead to the creation of 50,000 water bodies of a size of about an Acre or more.

Source: [PIB](#)

### Q.10) Which of the following is/are the benefits of food fortification?

1. Requires no alteration of food characteristics.
2. It has a high benefit-to-cost ratio.
3. Increase participation from small industries.

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: A**

The advantages of food fortification are,

**High benefit-to-cost ratio:** Food fortification has a high benefit-to-cost ratio. The Copenhagen Consensus estimates that every 1 Rupee spent on fortification results in 9 Rupees in benefits to the economy.

**No alteration of food characteristics:** It does not alter the characteristics of the food like the taste, aroma or the texture of the food (Statement 1 and 2 are correct).

**Quick implementation:** It can be implemented quickly as well as show results in improvement of health in a relatively short period of time.

**Wide reach:** Since the nutrients are added to widely consumed staple foods, fortification is an excellent way to improve the health of a large section of the population, all at once.

However the fortification has the following issues,

**Loss of natural protective substances:** Sometimes, fortification can have the opposite effect. Natural foods contain protective substances such as phytochemicals and polyunsaturated fat that are adversely affected by the process of blending micronutrients.

**Impact on small industries:** Fortification creates an assured market for multinationals. It could threaten the livelihoods of small units across India. Like, in case of rice and oil processing. Although the FSSAI claims that medium and large rice millers will be incentivised to fortify rice, the process itself is expensive and prohibitive for small players. An indicative cost of setting up rice fortification infrastructure for a medium-sized mill is Rs 3.2 crore, according to the government. **(Statement 3 is incorrect)**

Source: [Business Standard](#)

**PRELIMS**

**Q.1) Which of the following is a biodegradable material?**

1. Glass
2. E-waste
3. DDT (Dichlorodiphenyltrichloroethane)
4. Leather

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

- a) 2 and 3 only
- b) 3 and 4 only
- c) 1, 3 and 4 only
- d) 4 only

**Answer: D**

- Leather is made from skins of animals. So, in its true natural form, leather is indeed
- DDT is non-biodegradable. It's a persistent organic pollutant that can't decompose into simple, harmless substances in nature.
- Glass and e- waste are also non-biodegradable.

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

1. Followers of Judaism have been granted minority community status in India.
2. States in India have the power to recognize any community as a minority community.

**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:** Centre has notified the following six communities as minority communities in India - Muslims, Christians, Sikhs, Buddhists, Parsis and followers of Jainism.
- **Statement 2 is correct:** States can have minorities notified as such within their jurisdiction. For instance: Maharashtra recognising Jews as a minority community and Karnataka recognising speakers of several languages as linguistic minorities.

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

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

1. It refers to the prices faced by consumers, and not the ones prevailing in the wholesale market.
2. The RBI targets retail inflation rate to maintain price stability.

**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.**

- Retail inflation essentially refers to the rate at which the general price level went up in a particular month (April in the current instance) over what it was in the same month a year ago.
  - The change is expressed as a percentage.
  - Retail inflation also refers to the **prices faced by consumers**, and not the ones prevailing in the wholesale market.
- The retail inflation level is the most important measure of inflation in India because **it is this inflation rate that India's central Bank, the RBI, targets to maintain price stability**. According to the law, the RBI is supposed to keep overall retail inflation between 2% and 6%.

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

**Q.4) Hallikar, Kangayam and Kenkath sometimes seen in news belong to which of the following categories?**

- a) Tribal art forms
- b) Cattle breeds
- c) Medicinal herbs
- d) Harvest festivals

**Answer: B**

All of the mentioned terms are cattle breeds found in different parts of the country.

- Kenkatha in Madhya Pradesh
- Kangayam - Tamil Nadu
- Hallikar - Karnataka

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



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**Q.5) With reference to the Prompt corrective action (PCA) Framework, consider the following statements regarding:**

1. It has been developed by the Securities & Exchange Board of India.
2. A company put under PCA is barred from trading on exchanges.

**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: C**

**Both statements are incorrect.**

- The Reserve Bank of India has specified certain regulatory trigger points, as a part of prompt corrective action (PCA) Framework, in terms of three parameters, i.e. capital to risk weighted assets ratio (CRAR), net non-performing assets (NPA) and Return on Assets (RoA), for initiation of certain structured and discretionary actions in respect of banks hitting such trigger points.
- Reserve Bank of India (RBI) has recently taken out IDBI Bank from the prompt corrective action (PCA) framework. But it is still subject to certain conditions and continuous monitoring.

**Q.6) With reference to Hypertension, consider the following statements:**

1. Hypertension is defined as having a diastolic blood pressure level greater than or equal to 140 mmHg or a systolic blood pressure level greater than or equal to 90 mmHg.
2. Southern States have a higher prevalence of hypertension than the national average.

**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:** Hypertension is defined as having systolic blood pressure level greater than or equal to 140 mmHg or diastolic blood pressure level greater than or equal to 90 mmHg or/and taking anti-hypertensive medication to lower his/her blood pressure.

**Statement 2 is correct:** Southern States have a higher prevalence of hypertension than the national average, according to the latest edition of the National Family Health Survey.

While 21.3% of women and 24% of men aged above 15 have hypertension in the country, the prevalence is the highest in Kerala where 32.8% men and 30.9% women have been diagnosed with hypertension.

Source: [The Hindu](#)



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**Q.7) Justice JS Verma Committee, which was seen in news recently, is related to which of the following?**

- a) Regarding the legality of Sedition.
- b) To propose the changes to India's rape laws.
- c) Regarding the pardoning powers of the Governor.
- d) To propose reforms in physical education.

**Answer: B**

In 2012, the Justice JS Verma Committee was tasked with proposing amendments to India's rape laws.

While some of its recommendations helped shape the Criminal Law (Amendment) Act passed in 2013, some suggestions, including that on marital rape, were not acted on.

Recently, the Delhi High Court delivered a split verdict in a batch of petitions challenging the exception provided to marital rape in the Indian Penal Code (IPC).

Source: [The Hindu](#)

**Q.8) With reference to Protected Mobility Vehicles(PMV), consider the following statements:**

- 1. PMV provides protection to the soldiers travelling inside the vehicle from mine blasts and sudden attacks by small arms.
- 2. India is importing all the PMVs it 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:** PMV provides protection to the soldiers travelling inside the vehicle from mine blasts and sudden attacks by small arms.

**Statement 2 is incorrect:** India has the capability of producing PMVs. In April 2022, the Tata Advanced Systems Limited (TASL) handed over the first of such Infantry Protected Mobility Vehicles(IPMVs) to the Chief of Army Staff.

Hence, TASL is now the first private sector company in the country to produce IPMV in collaboration with the DRDO.

Source: [Indian Express](#)

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**Q.9) With reference to marsquake, consider the following statements:**

1. These are caused by shifts in Martian tectonic plates.
2. InSight Mars lander has detected the largest quake ever observed on Mars.

**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:** On Earth, quakes are caused by shifts in tectonic plates.

However, Mars does not have tectonic plates and its crust is a giant plate. Therefore, NASA notes, 'marsquakes' are caused due to stresses that cause rock fractures or faults in their crust.

**Statement 2 is correct:** InSight Mars lander has detected the largest quake ever observed on another planet including Mars.

Source: [Indian Express](#)

**Q.10) With reference to Black hole, consider the following statements;**

1. Black holes are places in space so dense, with such immense gravity, that beyond a certain boundary not even light can escape from it.
2. They form at the end of some stars' lives.

**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.**

Black holes are places in space so dense, with such immense gravity, that beyond a certain boundary called the "event horizon," nothing—not even particles and electromagnetic radiation such as light—can escape from it.

They form at the end of some stars' lives. When stars, which are around twenty times bigger than the sun exhaust all the energy, they can collapse in on themselves forming a black hole.

Source: [Indian Express](#)

**International Relations**

**Q.1) Macolin Convention which is seen in news recently, is related to which of the following?**

- a) To reduce terror financing in West Asia.
- b) To improve IPR policies in participant countries.
- c) To reduce deforestation in developing countries.
- d) To check the match-fixing in Sports Competitions.

**Answer: D**

The 12th meeting of Interpol’s Match-Fixing Task Force (IMFTF), in which the Central Bureau of Investigation (CBI) was one of the participants, concluded with a call for harmonised global efforts to curb competition manipulation.

The members deliberated on various mechanisms to improve intelligence sharing “such as the establishment of national platforms, as outlined in the Macolin Convention, that centralise and analyse information on irregular and suspicious trends”.

The Council of Europe Convention on the Manipulation of Sports Competitions, known as the Macolin Convention, is a multilateral treaty aimed at checking match-fixing. It came into force on September 1, 2019.

**Source:** [The Hindu](#)

**Q.2) With reference to Ecology, Consider the following statements:**

- 1. Shallow ecologism reduces the inequalities between countries.
- 2. Shallow ecologism primarily serves to maintain the lifestyle of those dwelling in developed countries.
- 3. Deep ecologism believes that humans should radically change their relationship with nature.

**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: B**

Shallow ecology refers to the philosophical or political position that environmental preservation should only be practiced to the extent that it meets human interests.

- **Statement 1 is incorrect:** Shallow ecologism further widens the inequalities between countries.
- **Statement 2 is correct:** Shallow ecologism primarily serves to maintain the lifestyle of those dwelling in developed countries.

Deep ecologism believes that humans should radically change their relationship with nature. Its proponents reject shallow ecologism for prioritizing humans above other forms of life, and

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subsequently preserving the environmentally destructive way of life in modern societies.  
**(Statement 3 is correct)**

**Source:** [The Hindu](#)

**Q.3) With reference to Foreign Portfolio Investments, consider the following statements;**

1. FPI is part of a country's capital account and is shown on its Balance of Payments (BOP).
2. FPI promotes the development of Equity Markets.

**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.**

Foreign portfolio investment (FPI) consists of securities and other financial assets passively held by foreign investors. It does not provide the investor with direct ownership of financial assets and is relatively liquid depending on the volatility of the market.

FPI is part of a country's capital account and is shown on its Balance of Payments (BOP). FPI is often referred to as "hot money" because of its tendency to flee at the first signs of trouble in an economy. FPI is more liquid, volatile and therefore riskier than FDI.

As the market's liquidity and functionality evolve with FPIs, equity prices will become value-relevant for investors, ultimately driving market efficiency.

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

**Q.4) With reference to green manure, consider the following statements;**

1. Green manure must be leguminous in nature, bear maximum nodules on its roots to fix large amount of atmospheric nitrogen in the soil.
2. Green manures are crops grown specifically for maintaining soil fertility and structure.

**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 the statements are correct.

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Green manures are crops grown specifically for maintaining soil fertility and structure. They are normally incorporated back into the soil, either directly, or after removal and composting.

Green manure varieties are incorporated into the soil when the crop is 42-56 days old. Green manure must be leguminous in nature, bear maximum nodules on its roots to fix large amount of atmospheric nitrogen in the soil.

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

**Q.5) Recently which of the following state has become the first smoke free state in India?**

- a) Kerala
- b) Himachal Pradesh
- c) Arunachal Pradesh
- d) Tamil Nadu

Answer: B

Himachal Pradesh, in January 2022, became the first 'smoke-free state' in India.

The major milestone was achieved while riding on the back of welfare schemes like 'Ujjwala Yojana' of Centre and 'Himachal Grihini Suvidha scheme of the state government'.

It is also the 100 percent LPG-enabled state in the country. It simply refers to the fact that 100% of households in Himachal have LPG connections in their houses.

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

**Q.6) With reference to Black Hole and Neutron Stars, consider the following statements:**

1. Like black holes, neutron stars are formed due to the process known as supernova explosion
2. The mass of a neutron star is generally 1 to 3 times the mass of Sun. Anything less than that will be identified as a black hole.
3. Neutron star would be having a hard surface while a black hole does not have a surface.

**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: C**

**Statement 1 is correct:** Like black holes, neutron stars are formed due to the process known as supernova explosion when the centre of a very big star falls in upon itself, or collapses.

**Statement 2 is incorrect:** The mass of a neutron star is generally 1 to 3 times the mass of Sun. Anything greater than that will be identified as a black hole.

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**Statement 3 is correct:** Neutron star would be having a hard surface while a black hole does not have a surface.

Source: [The Hindu](#)

**Q.7) Ujh Multipurpose Project is located in which of the following state?**

- a) Assam
- b) Haryana
- c) Punjab
- d) Jammu & Kashmir

**Answer: D**

Ujh Multipurpose (National) Project is being carried out in Kathua region of Jammu & Kashmir.

The expected timeline of completion of the project is about 6 years and once completed, the project will store around 781 Million Cubic meter of waters of river Ujh (a tributary of river Ravi).

Source: [PIB](#)

**Q.8) With reference to the Madtsoiidae, consider the following statements:**

1. Madtsoiidae is an extinct group of turtle species.
2. Their fossil deposits have found in Ladakh Himalaya.

**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:** Madtsoiidae is an extinct group of medium-sized to gigantic snakes, firstly appeared during the late Cretaceous and mostly distributed in the Gondwanan landmasses.

**Statement 2 is incorrect:** Recently, their fossil deposits have been found in Ladakh Himalaya. This is for the first time indicating their prevalence in the subcontinent for much longer time than previously thought.

Source: [Tribune](#)

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**Q.9) Which of the following countries is/are sharing the land border with Côte d'Ivoire?**

1. Ghana
2. Sierra Leone
3. Mali
4. Togo
5. Guinea

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

- a) 2 and 4 only
- b) 4 only
- c) 1, 3 and 5 only
- d) 2, 3 and 4 only

**Answer: C**

The fifteenth session of the Conference of the Parties (COP15) of the United Nations Convention to Combat Desertification (UNCCD) is being held in Abidjan, Côte d'Ivoire, from 9 to 20 May 2022.



Source: [PIB](#)



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**Q.10) With reference to National Data & Analytics Platform(NDAP), Consider the following statements?**

1. The portal aims to democratize access to public government data.
2. It is an initiative of Ministry of Electronics and Information Technology.

**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 portal aims to democratize access to public government data by making data accessible, interoperable, interactive and available on a user-friendly platform.

**Statement 2 is incorrect:** It is an initiative of NITI Aayog.

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