

10 PM Current Affairs Quiz Compilation

6th to 11th June, 2022

PRELIMS

Q.1) Which of the following can be categorized under Assistive Technology (AT)?

1. Software program
2. Continence pads
3. Portable ramps

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

Assistive Technology (AT) may include any item, piece of equipment, software programme or product system that is used to **increase, maintain, or improve** the **functional capabilities** of persons with disabilities.

These aids could also be

- **Physical products** such as wheelchairs, eyeglasses, hearing aids, prostheses, walking devices or continence pads;
- **Digital products** such as software and apps that support communication and time management; or
- **Adaptations** to the physical environment, for example, portable ramps or grab-rails.

Source: [Article](#)

Q.2) Which of the following is/are the possible effects of Open Network for Digital Commerce (ONDC)?

1. Reducing the cost of doing business.
2. Curb digital monopolies.
3. Elimination of middleman like small retailers.

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: a

- **Statements 1 and 2 are correct.**
- **Statement 3 is incorrect:** ONDC does not eliminate the middlemen like small retailers, instead it provides a way to them, to get discovered online. It is an open model where consumers can potentially discover any seller, product or service nearby, using any

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

ONDC compatible application or platform, thus increasing freedom of choice for consumers. Consumer can thus choose a nearby retailer for the faster delivery.

Q.3) With reference to Green Hydrogen, consider the following statements:

1. Green Hydrogen can be produced using coal or natural gas.
2. Fuel cell is a device that generates electricity through Combustion.

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-** Green hydrogen is produced with the help of electrolysis through electricity generated from renewable sources of energy such as solar and wind. In electrolysis, electric current splits water into hydrogen and oxygen. This process has no greenhouse gas emissions as the only by product of this process is oxygen.
- **Statement 2 is incorrect-** Fuel cell is a device that generates electricity through an electrochemical reaction, not combustion.

A fuel cell is composed of an anode, cathode, and an electrolyte membrane. A typical fuel cell works by passing hydrogen through the anode of a fuel cell and oxygen through the cathode.

Q.4) Sakhalin oil field sometimes seen in news is located in which of the following countries?

- a) China
- b) Russia
- c) France
- d) Ukraine

Answer: b

- It is located in Siberia (Russia)

Source: [Article](#)

Q.5) With reference to Fishing cat, consider the following statements:

1. It is traditionally found in South and South East Asia's rivers.
2. It is listed under Schedule I of the Wildlife Protection Act 1972.
3. The species is etched on the 900-yearold Angkor Wat complex in Cambodia.

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

All statements are correct.

- **Conservation status:**
 - **Schedule 1** of the Wildlife Protection Act, 1972.
 - **IUCN status:** It is listed as "vulnerable (VU)" under IUCN red list
 - **CITES status:** The fishing cat is included on CITES **Appendix II**
- **Habitat**– It prefers wetland ecosystem and traditionally found in the **South and Southeast Asia's rivers** such as Ganga, Brahmaputra, Godavari, Krishna, Irrawaddy and Chao Phraya.
- The fishing cat is etched on the 900-yearold **Angkor Wat complex in Cambodia** and captured on relics of the **Khmer empire**, which flourished between the 9th and 15th centuries on the mighty Mekong's floodplains.

Source: [Article](#)

Q.6) With reference to light and biological cycles, consider the following statements;

1. Light plays a crucial role in the regulation of biological clocks.
2. Using artificial light, the mosquitoes can be tricked to behave as if it's daytime.

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.

Light plays a crucial role in the regulation of biological clocks such as timing of breeding among birds, hunting by lions and sleeping patterns of humans.

Melatonin hormone is a gene responsible for regulating the sleep-awake cycles. It is found in plants as well as animals.

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

Artificial light can alter mosquito biology. Using artificial light, the mosquitoes can be tricked to behave as if it's daytime.

A short pulse of Light Emitting Diode (LED) light, commonly can delay the onset of biting by hours in the mosquito "Anopheles". Therefore, it reduces biting rates and malaria transfer.

Source: [DTE](#)

Q.7) With reference to the LiFE Movement, consider the following statements;

1. The Movement aims to utilise the power of collective action and nudge individuals across the world to undertake simple climate-friendly actions in their daily lives.
2. The idea of LiFE was introduced by the US during UN Climate Change Conference (COP21) in Paris.

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 Movement aims to utilise the power of collective action and nudge individuals across the world to undertake simple climate-friendly actions in their daily lives.

It also seeks to leverage the strength of social networks to influence social norms surrounding climate. The Mission plans to create and nurture a global network of individuals, namely 'Pro-Planet People' (P3).

Statement 2 is incorrect: The idea of LiFE was introduced by India during the 26th United Nations Climate Change Conference of the Parties (COP26) in Glasgow in 2021.

Source: [PIB](#)

Q.8) With reference to the Eco Sensitive Zones(ESZs), consider the following statements;

1. Felling of trees, establishment of hotels and resorts, commercial use of natural water were prohibited in ESZs.
2. The purpose of declaring ESZs is to create some kind of a "shock absorber" for the protected 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:

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

Prohibited activities in ESZs: Commercial mining, sawmills, industries causing pollution, the establishment of major hydroelectric projects (HEP), and commercial use of wood.

Regulated activities in ESZs: Felling of trees, establishment of hotels and resorts, commercial use of natural water, erection of electrical cables, drastic change of agriculture system.

Statement 2 is correct: The purpose of declaring ESZs around national parks, forests and sanctuaries is to create some kind of a “shock absorber” for the protected areas.

Source: [The Hindu](#)

Q.9) Which of the following is/are the benefits of Direct-to-Mobile’(D2M) Broadcasting technology?

1. Directly broadcast content related to citizen-centric information.
2. Used to broadcast live news, sports.
3. Can counter fake news and issue emergency alerts.

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 technology is based on the convergence of broadband and broadcast using which mobile phones can receive terrestrial digital TV.

It would be similar to how people listen to FM radio on their phones where a receiver within the phone can tap into radio frequencies.

Applications of D2M Technology are:

It can possibly be used to directly broadcast content related to citizen-centric information and can be further used to counter fake news, issue emergency alerts and offer assistance in disaster management among other things.

Apart from that, it can be used to broadcast live news, sports etc. on mobile phones.

Source: [Indian Express](#)

Q.10) With reference to Electric Vertical Take off and Landing(eVTOL) aircraft, consider the following statements;

1. Distributed electric propulsion technology is associated with eVTOL aircrafts.
2. These aircrafts are free from cyberattacks.

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: eVTOL Aircraft is one that uses electric power to hover, take off, and land vertically.

Most eVTOLs also use what is called distributed electric propulsion technology, which means integrating a complex propulsion system with the airframe.

Statement 2 is incorrect: eVTOL has following challenges, **a)** Ensuring safety in case of a power plant or rotor failure, **b)** Aircraft protection from cyberattacks is another area of focus and **c)** Navigation and flight safety.

Source: [The Hindu](#)

PRELIMS

Q.1) Consider the following statements:

1. More than fifty per cent of India's crude imports come from Persian Gulf countries.
2. Mexico has the largest diaspora population in the world.

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 share of Persian Gulf countries in India's crude imports has remained at around **60%** over the last 15 years.
- **Statement 2 is incorrect:** India has the world's largest diaspora population.

Source: [Article](#)

Q.2) With reference to Liquefied petroleum gas and import parity price (IPP), consider the following statements:

1. Liquefied petroleum gas (LPG) is mainly composed of lighter methane and ethane.
2. LPG price in India can be calculated based on the import parity price (IPP).
3. IPP is a function of the LPG prices in the domestic market and is decided by the forces of demand and supply.

Which of the statements given above is/are incorrect?

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

Answer: c

- **LPG is composed mainly of propane and butane**, while natural gas is composed of the lighter methane and ethane. LPG price in India can be calculated **based on the import parity price (IPP)**. The IPP is based on the LPG price in the international market given that country imports the fuel.

Q.3) With reference to the Surrogacy act, consider the following statements:

1. Single men are not allowed to resort to surrogacy under the Act.
2. Only a close relative of the couple can be a surrogate mother.

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:** Single men are not allowed.
- **Statement 2 is correct:** Only a close relative of the couple can be a surrogate mother, one who is able to provide a medical fitness certificate. She should have been married, with a child of her own, and must be between 25 and 35 years, but can be a surrogate mother only once.

Source: [Article](#)

Q.4) With reference to India-Japan relations, consider the following statements:

1. India and Japan are a part of the multilateral “Malabar exercise”, including USA and Australia.
2. India and Japan share a ministerial-level 2+2 dialogue.

Select the correct code from the answers given below:

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

Answer: c

- **In August 2021, QUAD nations (USA, India, Japan, Australia) participated in 25th edition of Malabar exercise. It is a multilateral war-gaming naval exercise** that was started in 1992. It began as a bilateral exercise between the navies of India and the United States.
- **Since 2014, India, the US and Japan** have participated in the exercise every year. **In 2020 Australia** joined the Malabar Exercise on India’s request in order to contain China in the Indo-Pacific region. The first **2+2 meeting** of their Foreign and Defence Ministers was held in November 2019, in New Delhi.

Q.5) Consider the following statements:

1. A formal education or minimum educational is not necessary to be considered literate according to definition of literacy as used in census operations in India.
2. According to the census 2011 figures, female literacy rate in India is less than 60 percent..

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

- **Literacy, as defined in Census operations, is the ability to read and write with understanding in any language.** A person who can merely read but cannot write is not classified as literate. Any formal education or minimum educational standard is not necessary to be considered literate.
- The results of 2011 census reveal that there has been an increase in literacy in the country. The literacy rate in the country is 74.04 per cent, 82.14 for males and **65.46 for females.**

Q.6) Arignar Anna Zoological Park, which was seen in the news recently, is located in which of the following states?

- a) Karnataka
- b) Goa
- c) Tamil Nadu
- d) Kerala

Answer: C

Recently, Arignar Anna Zoological Park, Chennai has introduced a novel method to check the littering of plastic bottles inside its premises.

The authorities of the state's biggest zoo have begun collecting a deposit of ten rupees each for every bottle of water from the visitors.

The money is refunded if they return the empty bottle. The officials say the initiative has begun yielding good results.

Source: [AIR](#)

Q.7) With reference Norovirus, consider the following statements;

1. It is a highly contagious virus that is also referred to as the 'stomach flu' or the 'winter vomiting bug'.
2. Vaccine is the only medicine available against Norovirus disease.
3. The virus can survive many common hand sanitisers.

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: Norovirus is a highly contagious virus that is also sometimes referred to as the 'stomach flu' or the 'winter vomiting bug'.

Statement 2 is incorrect: The disease is self-limiting. The infection normally lasts only two or three day.

No vaccines are available for the disease. The basic precaution is repeatedly washing hands with soap after using the lavatory or changing diapers. It is important to wash hands carefully before eating or preparing food.

Statement 3 is correct: Norovirus is resistant to many disinfectants and can withstand heat up to 60°C. Therefore, merely steaming food or chlorinating water does not kill the virus. The virus can also survive many common hand sanitisers.

Source: [Indian Express](#)

Q.8) With reference to Posidonia Australis, consider the following statements;

1. It is an apex fish predator that will hunt and eat almost anything they come across.
2. One of the unique characteristics of this species is, it takes 100% of the genome of each of their parents.

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: Posidonia Australis is also known as ribbon weed is a species of seagrass.

It was discovered in the shallow waters of the World Heritage Area of Shark Bay in Western Australia.

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

Statement 2 is correct: his plant is unique from others as it has twice as many chromosomes as its relatives. This makes it what scientists call a “polyploid”.

Polyploids instead of taking half-half genome from both parents, take 100% genome of each of their parents, something not unheard of in plants.

Source: [Indian Express](#)

Q.9) Consider the following pairs;

Statues	-	Depiction
1. Sambandar	-	One of the Muvar and Child saint
2. Kankalamurti	-	Fearsome aspect of Lord Shiva
3. Dvarapala	-	Depiction of Shiva in tribhanga posture
4. Nandikeshvara	-	Depiction of Vishnu with four hands

How many pairs given above are correctly matched?

- a) Only one pair
- b) Only two pairs
- c) Only three pairs
- d) All four pairs

Answer: B

1. Sambandar	-	One of the Muvar and Child saint
2. Kankalamurti	-	Fearsome aspect of Lord Shiva
3. Dvarapala	-	Depiction of gate guardian often portrayed as a warrior
4. Nandikeshvara	-	Depiction of Nandi

Source: [Indian Express](#)

Q.10) With reference to heavy metals, consider the following statements;

- 1. Heavy Metals not naturally present in the earth's crust.
- 2. Heavy metals have the property of long persistent in plants, animals and environment.

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: Heavy Metals are naturally present in the earth's crust. Rocks are the natural source of heavy metals. Heavy Metals are present in the rocks in the form minerals. Examples: arsenic, copper, lead etc.

Statement 2 is correct: Heavy metals have the property of long persistent in plants, animals and environment.

Source: [The Hindu](#)

PRELIMS

Q.1) With reference to a bad bank, consider the following statements:

1. A bad bank is an Asset Reconstruction Company (ARC) or an Asset Management Company (AMC) that takes over the bad loans of commercial banks.
2. It is involved in lending and taking deposits.

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:** Technically, a bad bank is an Asset Reconstruction Company (ARC) or an Asset Management Company (AMC) that takes over the bad loans of commercial banks, manages them and finally recovers the money over a period of time.
- **Statement 2 is incorrect:** The bad bank is not involved in lending and taking deposits, but helps commercial banks clean up their balance sheets and resolve bad loans.

Source: [Article](#)

Q.2) With reference to National Land Monetization Corporation, consider the following statements:

1. It will be set up under the administrative jurisdiction of the Department of Public Enterprise, Ministry of Finance.
2. It undertakes monetization of Land assets only.

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 will be set up under the administrative jurisdiction of the Department of Public Enterprise, Ministry of Finance.
- **Statement 2 is incorrect:** It will undertake professional and orderly monetization of land and other non-core assets referred to it.

Q.3) With reference to the Indian copyright Act, consider the following statements:

1. It makes a distinction between commercial and non-commercial infringement.
2. It is not mandatory under the Copyright Act to register copyrights as a necessary precondition in order to enforce the same.

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 Indian Copyright Act makes a distinction between **commercial** and **non-commercial infringement**.
- **Statement 2 is correct:** Unlike trademark law, it is **not mandatory** under the Copyright Act to register copyrights as a necessary precondition in order to enforce the same.

Source: [Article](#)

Q.4) Consider the following statements regarding Aerosols:

1. Their scattering of sunlight can reduce visibility (haze) and redden sunrises and sunsets.
2. Its concentrations in the atmosphere rise and fall with climate.

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

Aerosols are minute particles suspended in the atmosphere. When these particles are sufficiently large, we notice their presence as they scatter and absorb sunlight.

- Their scattering of sunlight can reduce visibility (haze) and redden sunrises and sunsets. Aerosols interact both directly and indirectly with the Earth's radiation budget and climate.
- As a direct effect, the aerosols scatter sunlight directly back into space.
- As an indirect effect, aerosols in the lower atmosphere can modify the size of cloud particles, changing how the clouds reflect and absorb sunlight, thereby affecting the Earth's energy budget
- Aerosols come from both natural and human sources—and sometimes both at once. Dust, for example, is scoured from deserts, the dried-out edges of rivers, dry lakebeds, and more.

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

- Its concentrations in the atmosphere rise and fall with climate; in cold, dry, periods in the planet 's history like the last ice age, more dust filled the atmosphere than during warmer stretches of Earth 's history.

Q.5) Environmental Performance Index (EPI) is associated with which of the following organisations?

- a) WB
- b) IMF
- c) UNEP
- d) WEF

Answer: d

- EPI is a biennial *index* prepared by Yale University and Columbia University in collaboration with the World Economic Forum.

Source: [Article](#)

Q.6) With reference to Information Technology(IT) Rules, consider the following statements;

1. Noncompliance of IT Rules will lead to a banning of social media firms.
2. Safe harbour protection is related to IT Rules and IT Act.

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: Non-compliance of IT Rules will not lead to a ban of Organization. Even if the platforms don't comply with these rules, the platforms can continue operations in India, but they can't seek safe harbour protections in the case of a suit.

Statement 2 is correct: Social Media Intermediaries need to adhere to IT rules in order to be eligible for safe harbour protections mentioned in Section 79 of India's IT Act.

Safe harbour protections are very important for platforms that deal with user-generated content. These protections ensure that the platform cannot be sued for a post, message etc shared by a user using its services.

Source: [Livemint](#)

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

Q.7) With reference to Rajya Sabha polls, consider the following statements;

1. MLAs not voting for the party candidate will attract disqualification under the anti-defection law.
2. A party MLA has to show his/her vote only to an authorized agent (Whip).

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 Supreme Court, while declining to interfere with the open ballot system, ruled that not voting for the party candidate will not attract disqualification under the anti-defection law.

As voters, MLAs retain their freedom to vote for a candidate of their choice. However, the Court observed that since the party would know who voted against its own candidate, it is free to take disciplinary action against the legislator concerned.

Statement 2 is correct: A party MLA's show their votes only to an authorized agent (called Whip). The Rajya Sabha polls have a system of open ballots, but it is a limited form of openness.

As a measure to check rampant cross-voting, there is a system of each party MLA showing his or her marked ballots to the party's authorized agent (called Whip), before they are put into the ballot box.

Showing a marked ballot to anyone other than one's own party's authorized agent will render the vote invalid. Not showing the ballot to the authorized agent will also mean that the vote cannot be counted.

Source: [Indian Express](#)

Q.8) With reference to green jobs, consider the following statements;

1. This refers to a class of jobs that directly have a positive impact on the planet, and contribute to the overall environmental welfare.
2. So far, India did not take any initiatives to promote green jobs.

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: 'Green jobs' refer to a class of jobs that directly have a positive impact on the planet, and contribute to the overall environmental welfare.

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

Jobs involving renewable energy, conservation of resources, and ensuring energy-efficient means are categorized under the green jobs.

Statement 2 is incorrect: Skill Council for Green Jobs has been setup by the government of India in 2015 as a not-for-profit, independent, industry-led initiative. T

Promoted by: Ministry of New and Renewable Energy(MNRE) and the Confederation of Indian Industry(CII).

Source: [Indian Express](#)

Q.9) Which of the following is/are the potential application of Geo-Spatial Sector?

1. Improve efficiency of economy
2. Helps in terrestrial, aerial and marine navigation.
3. Aid Wildlife management.

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

The potential application of Geo-Spatial Sector includes,

Improve efficiency of economy: Geospatial mapping can **improve efficiency in** the logistics sector, mining sector, etc.

Creation of new startups and employment: The Geospatial sector provides opportunity for the booming startup sector of India.

Terrestrial, Aerial and Marine Navigation: Geospatial can be utilised for the promotion of taxi services and home delivery services like **Uber and Flipkart**. The data can also aid in marine and aerial navigations.

Agriculture, Forestry and Wildlife management: Geospatial data can be utilised in preparing customized geography specific plans for better management of agriculture, forestry and wildlife.

Source: [PIB](#)

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

Q.10) With reference Rubber, consider the following statements;

1. Lateritic type, alluvial, sedimentary types, and non lateritic red soils are best for the growth of rubber trees.
2. Synthetic rubber is preferred over natural rubber for its high tensile strength and vibration dampening properties, tear resistance.
3. Hevea brasiliensis is the most important rubber tree.

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: Lateritic type, alluvial, sedimentary types, and non lateritic red soils are best for the growth of rubber trees.

Statement 2 is incorrect: Natural rubber is preferred over synthetic rubber due to its high tensile strength and vibration dampening properties, along with tear resistance.

Statement 3 is correct: Natural rubber comes from various sources, the most common being the Pará rubber tree (Hevea brasiliensis). It grows well under cultivation and yields latex for several years.

The vines in the genus Landolphia yield the Congo rubber. These vines cannot be grown in cultivation and this led to large-scale exploitation of the wild plants in Congo.

Source: [Indian Express](#)

PRELIMS

Q.1) Consider the following category of voters in India

- 1) Migrant workers
- 2) Government officials deployed in Embassies outside the country
- 3) Non- Resident Indians
- 4) Persons working in Central Forces

Which among the above categories are allowed to vote through Electronically Transmitted Postal Ballot System in India?

- a) 1, 3 and 4 only
- b) All of the above
- c) 2, 3 and 4 only
- d) 2 and 4 only

Ans. d

Explanation

Persons working in Central Forces under Arms Act and Government officials deployed in Embassies outside the country are classified as Service Voters and are provisioned for online enrolment.

For the first time in 2019, enabled through the dedicated portal <https://www.servicevoter.eci.nic.in> online registration, the service voters were sent postal ballots electronically one way to save processing time, resources and avoid human errors.

The previous Lok Sabha had passed a bill to extend proxy voting facility to NRIs, but the bill lapsed.

Election commission is looking to provide remote voting facility to migrant workers.

Source: [The Times of India](#)

Q.2) With regard to Indian Economy, what do you understand by the term ‘Non-discretionary spending’?

- a) The payment in terms of indirect taxes in a year.
- b) The expenses made on luxury items by a consumer.
- c) The expenses incurred on essential goods such as food by the consumer.
- d) The reduced value for money due to increasing inflation.

Ans c

Non-discretionary spending is essential and non-negotiable spending defined within a budget. Examples of these expenses include: rent, food, or mortgage payments. While the discretionary spending refers to non-essential expenses, such as hobbies and travel. For example, going to a movie or buying an expensive gift for a friend is considered discretionary spending.

Source: [Indian Express](#)

Q.3) Which of the following can be the possible impacts of increase in repo rate by RBI?

- 1) It will reduce the cost of loans for borrowers.
- 2) It will reduce the demand in the economy.
- 3) It will increase the availability of money in the market.

Answer using the codes given below

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

Ans) b

What are the implications of increase in Repo Rate for economy?

It makes money expensive, thus discourage demand in the economy. The affect will be more visible in the Non-discretionary spending i.e. essential and non-negotiable spending for example; rent, food, or mortgage payments.

Depositors are also expected to see an increase on the interest rates on their deposits.

It will make the loans expensive for the borrowers and increase the burden of interest on EMIs for loans such as home loans.

RBI is expecting that interest rate hike will prevent any effect on discretionary spending which can slow down the growth rate.

It reduces the availability of money in the market.

Source; [Indian Express](#)

Q.4) With reference to Unified Payments Interface (UPI) and RuPay network, consider the following statements:

1. Both are managed by the National Payments Corporation of India (NPCI).
2. UPI and RuPay transactions attract zero-Merchant Discount Rate (MDR).

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 RuPay network and UPI are managed by the same organization – the National Payments Corporation of India (NPCI).

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

- According to a norm that has been in effect since January 2020, UPI and RuPay attract zero-MDR meaning that no charges are applied to these transactions, which is a key reason behind the prolific adoption of UPI both by users and merchants.

Source: [Article](#)

Q.5) Which one the following species is being reintroduced in India after its extinction?

- a) Grey Wolfs
- b) One-horned Rhino
- c) Cheetah
- d) Lion

Ans) c

Source

The first batch of cheetahs are expected to arrive in India's Kuno Palpur wildlife sanctuary in Madhya Pradesh by this August.

[The Hindu](#)

Q.6) With reference to Mela Kheer Bhawani Festival, consider the following statements:

1. The festival is the largest gathering of Hindus in Kashmir after the annual Amarnath Yatra.
2. Mata Kheer Bhawani is a Hindu Temple dedicated to the goddess Ragnya Devi.

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

- Mela Kheer Bhawani Festival is an annual congregation of Kashmiri Hindus at the Mata Kheerbhawani temple.
 - It is held during *Jyeshtha Ashtami* also spelt as *Zyeshta Astami*.
 - The festival is the largest gathering of Hindus in Kashmir after the annual Amarnath Yatra.
- Mata Kheerbhawani is a Hindu Temple dedicated to the goddess Ragnya Devi.
 - It is situated 30 km from Srinagar city. It is one of the most sacred pilgrimage sites for Kashmiri Hindus.

Source: [Article](#)

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

Q.7) With reference to the monoclonal antibodies, consider the following statements:

1. These are man-made proteins that act like human antibodies in the immune system.
2. Each monoclonal antibody has the ability to bind to multiple antigens.

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: Monoclonal antibodies** are laboratory-produced molecules. They serve as substitute antibodies that can restore, enhance, modify or mimic the immune system's attack on unwanted cells.
- **Statement 2 is incorrect:** Each monoclonal antibody is designed in a way that binds to only one antigen.

Source: [Article](#)

Q.8) Maneesha Panchakam, Saundaryalahiri and Vivekachudamani, have been authored by which of the following personalities?

- a) Adi Shankaracharya
- b) Ramanuja
- c) Thirumula Nayanar
- d) Akampam Malāthanār

Answer: a

- Adi Shankaracharya **authored 116 works**. Among them, the celebrated commentaries (bhashyas) are on Upanishads, the Brahma Sutra, and the Gita. His famous poetic works include **Maneesha Panchakam and Saundaryalahiri**.
- He authored the **Vivekachudamani**. It spells out the qualifications required in a student of Vedanta.
- He also composed the **Kanakadhara Stotram**, following which there was a rain of golden amlas which brought prosperity to the household.
- Further, he also composed texts like **Shankara Smrithi** which seeks to establish the social supremacy of Nambuthiri Brahmins.

Q.9) Which of the following countries border Vietnam?

1. China
2. Thailand
3. Cambodia

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

Countries bordering Vietnam:

- Cambodia
- Laos
- China

Source: [Article](#)

Q.10) With reference to India, consider the following statements:

1. Income taxpayers are the main funder of government.
2. At present, India has an official taxpayer's union.

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:** Presently, less than one-third of the combined spending of state and central governments in India is raised through income tax. At present, taxes on commodities meet more than half the expenditure of the government.
- **Statement 2 is incorrect:** At present, India does not have an official taxpayers union. Recently, the idea has been floated by an income tax officer to have a "taxpayers union"

PRELIMS

Q.1) Which of the following countries have legalized recreational Marijuana on a national basis?

1. Thailand
2. Canada
3. Uruguay

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

- Thailand recently became the first country to legalize the medicinal and industrial use of Marijuana.
- Canada and Uruguay are the only two countries which have legalized recreational Marijuana.

Source: [Article](#)

Q.2) N Rajagopala Ayyangar Committee sometimes seen in news is related to which of the following?

- a) Revision of the patent system
- b) Long term Food policy
- c) To decide the appropriate level of reserves that the RBI should hold
- d) Review methodology for measurement of poverty

Answer: a

- The government appointed the Justice N Rajagopala Ayyangar Committee in 1957 to provide a road map for revising the patent system. In September 1959, the Ayyangar Committee submitted its well argued 397-page report which recommended the retention of the patent system despite its shortcomings

Source: [Article](#)

Q.3) Which of the following tree species are usually found in tropical evergreen forests?

1. Rosewood
2. Teak
3. Shisham

Select the correct answer using the code given below:

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

Answer: a

- Species found in Tropical evergreen forests include rosewood, mahogany, aini, ebony, etc. Tropical (moist) deciduous forests are found in the north-eastern states along the foothills of Himalayas, eastern slopes of the Western Ghats and Odisha. Teak, sal, shisham, hurra, mahua, amla, semul, kusum, and sandalwood etc. are the main species of these forests.

Q.4) Imbrian era is associated with which of the following?

- a) Earth
- b) Moon
- c) Sun
- d) Mars

Answer: b

- The lunar geological timescale (or selenological timescale) divides the history of Earth's Moon into five generally recognized periods: the Copernican, Eratosthenian, Imbrian (Late and Early epochs), Nectarian, and Pre-Nectarian.

Source: [Article](#)

Q.5) As per the RBI norms, which of the following institutions cannot open a Digital Banking Unit (DBU)?

1. Regional rural banks
2. Payment banks
3. Local area banks

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

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

- Commercial banks (other than regional rural banks, payment banks and local area banks) with past digital banking experience are permitted to open DBUs in tier 1 to tier 6 centres without having the need to take permission from the RBI in each case.

Source: [Article](#)

Q.6) World Investment Report is released by which of the following organization?

- International Monetary Fund (IMF)
- United Nations Conference on Trade and Development(UNCTAD)
- World Economic Forum (WEF)
- World Trade Organization (WTO)

Answer: B

The United Nations Conference on Trade and Development(UNCTAD) has released the World Investment Report.

The United States (\$367 billion) remained the top recipient of FDI in 2021. It was followed by China (\$181 billion) and Hong Kong (\$141 billion).

India jumped one position to 7th among the top recipients of foreign direct investment (FDI) in 2021 despite FDI inflows into the country declining.

Source: [Times of India](#)

Q.7) With reference to Greater One-Horned Rhino, consider the following statements;

- India is the only place one can see Greater One-Horned Rhino.
- The rhino horn is used as an aphrodisiac in Vietnam.

Which of the statements given above is/are correct?

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

Answer: B

Statement 1 is incorrect: Greater One-Horned Rhino is restricted to small habitats in Indo-Nepal terai and northern West Bengal and Assam.

India is home to more than 75% of the greater one-horned rhino population of the world.

Statement 2 is correct: The rhino horn is used in traditional Chinese medicine to cure a range of ailments, from cancer to hangovers, and it is also used as an aphrodisiac in Vietnam, possessing a rhino horn is considered a status symbol.

Source: [The Hindu](#)

Q.8) With reference to Bonds and Bond Yields, consider the following statements;

1. The movements of bond yields and bond prices are opposite to each other.
2. The rise in bond yields will result in the outflow of funds from equities.
3. The net asset values of debt funds will increase whenever bond yields increase.

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: Bond Yields are the returns on bonds. The movements of bond yields and prices are opposite to each other. When bond prices rise, yields fall and vice-versa.

Statement 2 is correct: Rising bond yields are generally not good news for equity investors as they raise the cost of funds for companies and start hurting their earnings. It thus leads to an outflow of funds from equities towards a less risky debt instrument.

Statement 3 is incorrect: When bond yields rise and bond prices fall, net asset values of debt funds which hold a sizable chunk of government securities in their portfolios, will also decline.

Q.9) Ancovax Vaccine, which was seen in news recently, is related to which of the following?

- a) Vaccine for animals against Trypanosoma evansi infection
- b) Vaccine for Foot and mouth disease
- c) Inactivated Covid-19 vaccine for animals
- d) Vaccine for the prevention of Brucellosis of sheep

Answer: C

Ancovax Vaccine is an inactivated SARS-CoV-2 Delta (COVID-19) vaccine for animals. The immunity induced by Ancovax neutralizes both Delta and Omicron Variants of SARS-CoV-2. The vaccine is safe for dogs, lions, leopards, mice and rabbits.

Source: [PIB](#)

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

Q.10) Consider the following statements;

1. The Sustainable Development Goals were first proposed in 1972 by a global think tank called the 'Club of Rome'.
2. The Sustainable Development Goals have to be achieved by 2030.

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 17 Sustainable Development Goals (SDGs), also known as the Global Goals, are a universal call for action to end poverty, protect the planet and ensure that all people enjoy peace and prosperity.

They are built upon the success of the Millennium Development Goals, including new areas such as climate change, economic inequality, innovation, sustainable consumption, peace and justice, among other priorities.

Statement 2 is correct: Adopted in 2015, SDGs came into effect in January 2016. They are meant to be achieved by 2030.

Source: [DTE](#)

ENVIRONMENT

Q.1) Chelonoidis phantasticus sometimes seen in news is a species of?

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

Answer: d

- Chelonoidis phantasticus means “fantastic giant tortoise”. Commonly called the Fernandina Island Galápagos giant tortoise, the species was so far known only from a single individual, collected in 1906.

Source: [Article](#)

Q.2) Consider the following statements:

1. He was a Bhakti saint.
2. He is known for his community-oriented worship with spiritual songs called as kirtans.
3. His message about a casteless society and his denial of rituals had led to a social movement.

Which of the following personalities is being referred to in the statements above?

- a) Sant Tukaram Maharaj
- b) Kabir
- c) Vallabhacharya
- d) Nimbarka

Answer: a

- Sant Tukaram Maharaj was a 17th century Bhakti saint and Marathi poet from Maharashtra.
- Tukaram is best known for his devotional poetry called Abhanga and community-oriented worship with spiritual songs known as kirtans.
- His work is central to the Warkari sect spread across Maharashtra. He is also credited with starting the Wari pilgrimage.
- His message about a casteless society and his denial of rituals had led to a social movement.

Source: [Article](#)

Q.3) With reference to Mission Sarovar, consider the following statements:

1. Its aim is to develop and rejuvenate water bodies in each district of the country.
2. The mission encourages the mobilization of both citizen and non-govt resources.

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

- **Statement 1 is correct:** Its aim is 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.
- **Statement 2 is correct:** The Mission works through the States and Districts through refocusing of various schemes such as MGNREGA, 15th Finance Commission Grants, PMKSY sub-schemes such as Watershed Development Component, Har Khet Ko Pani besides States own schemes.
 - The mission also encourages the mobilization of citizens and non-govt resources for supplementing these efforts.

Source: [Article](#)

Q.4) Great Gatsby Curve is associated with which of the following?

- a) relationship between cross-sectional income inequality and persistence of income across generations.
- b) graphical representation of income inequality or wealth inequality.
- c) displays how household expenditure on a particular good or service varies with change in household income.
- d) Inflation and unemployment have a stable and inverse relationship.

Answer: a

- The Great Gatsby Curve is the positive empirical relationship between cross-sectional income inequality and persistence of income across generations.

Source: [Article](#)

Q.5) Which among the following Indian cities is/are a part of UN Creative Cities Network (UNCCN)?

1. Chennai
2. Jaipur
3. Kochi

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

- Kochi is not a part of UCCN.

Following Indian cities are part of UNESCO Creative Cities Network (UCCN)

- Chennai and Varanasi – Cities of music;
- Jaipur – City of crafts and folk arts;
- Mumbai – City of film and
- Hyderabad – City of gastronomy.
- Srinagar - Crafts and Folk Arts category.

Q.6) With reference to the Aravali range, consider the following statements:

1. It predates the formation of Himalayan ranges.
2. It acts as a barrier to check further spread of desertification to the east of Rajasthan.

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 Aravalli Range, formed by folding, an orogenic process, is one of the oldest mountain ranges of the world and predates the formation of the Himalayan ranges.
- It acts as a barrier to check further spread of desertification to the east of Rajasthan and subsequently to Gangetic plains.

Source: [Article](#)

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

Q.7) With reference to IN-SPACe, consider the following statements:

1. It has been established as a single window nodal agency, with its own cadre.
2. Indian Space Association (IsPA) works under administrative control of IN-SPACe.

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:** IN-SPACe has been established as a single window nodal agency with its own cadre.
- **Statement 2 is incorrect:** IsPA act as an independent and “single-window” agency for enabling the opening up of the space sector to start-ups and the private sector. The association will also work with **IN-SPACe**, which acts as a regulator facilitating the use of government facilities by private companies.

Source: [Article](#)

Q.8) With reference of system of President’s Election in India, Consider the following statements

- 1) Only a Minister of Parliament can be a candidate for Presidential elections.
- 2) Nominated MPs are not part of the Electoral College.

Which of the statements given above is/are correct?

- a) 1 only
- b) 2 only
- c) 1 and 2 only
- d) None of the above

Ans) b

Statement 1 is incorrect. Any person who can get at least 50 proposers and 50 seconders has a valid candidature for the election for President.

Statement 2 is correct. The President is elected by an electoral college consisting of MPs of both Houses of Parliament and MLAs of the states and Delhi and Puducherry. Nominated members of Rajya Sabha, Lok Sabha and the Assemblies, and members of state Legislative Councils, are not part of the electoral college.

Source- [Indian Express](#)

Q.9) Which of the following are the activities contributed by Microbes?

1. Conversion of Nitrogen in the air to ammonia, urea or other compounds for plants
2. Conversion of carbon Dioxide and Water in the ocean into carbohydrates and Oxygen.
3. Digestion of natural milk in the babies.

Answer using the codes given below

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

Ans.) d

Explanations

To make plant growth possible, you need a certain amount of nitrogen. But the nitrogen in the atmosphere can't be used by plants for growth. That must be made accessible or fixed into ammonia, urea or some compound plants can use — only microbes can do that.

MACRO SKILLS

- Microscopic plankton in the ocean convert carbon dioxide (CO₂) and water (H₂O) into carbohydrates and oxygen (O₂) — they produce over half the oxygen we breathe. Microbes thrive everywhere — a single grain of sand can house 1,00,000 bacteria
- The seas are alive with microbes — 90% of the weight of marine beings is from microbes. These produce nitrogen and oxygen in the deepest depths where no sunlight pervades. Microbes even create 'the scent of the sea', with bacteria breaking down chemical compounds, releasing aromatic dimethyl sulfide, the sea's smell
- Clouds abound with bacteria that grab water vapour in the atmosphere to make cloud droplets. But these droplets and crystals need a solid or liquid surface to collect on — bacteria provide that surface, becoming 'cloud condensation nuclei', determining our weather
- About 10% of the natural milk a baby drinks contains sugars it can't digest — these sugars nourish microbes in the baby's gut which strengthen it and reduce inflammation, creating an ecosystem of good health in infants

Research: Encyclopaedia Britannica, National Geographic, LiveScience, Nature, Smithsonian Magazine

Source: [Times of India](https://timesofindia.com)

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

Q.10) With regard to Amrit Sarovar Scheme, consider the following statements:

- 1) The Mission is aimed at developing and rejuvenating 75 water bodies in each district of the country.
- 2) Each Amrit Sarovar will have approx. area of 1 acre.

Select the correct answer from the codes given below

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

Ans) c

Statement 1 is correct. The Mission is aimed at developing and rejuvenating 75 water bodies in each district of the country as a part of celebration of Azadi ka Amrit Mahotsav. In total, it would lead to creation of 50,000 water bodies of the size of about an Acre or more.

Statement 2 is correct. Around 50,000 Amrit Sarovar may be constructed in the country. Each of these Amrit Sarovar will have approx. area of 1 acre with a water holding capacity of 10,000 cubic meter.

Source: [The Times of India](#)