

10 PM Current Affairs Quiz Compilation

June, 2023

PRELIMS

Q.1) Consider the following statements:

1. Hydrogen is difficult to store in large quantities due to its lightness.
2. Liquefaction of hydrogen requires extremely high temperatures.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. Hydrogen is difficult to store in large quantities due to its lightness.

Statement 2 is incorrect. Liquefaction of hydrogen requires extremely low temperatures.

Source: [ForumIAS](#)

Q.2) With reference to the “Direct-Seeding Method” consider the following statements:

1. In this method, seeds are directly drilled into the fields, eliminating the need for nursery preparation and transplantation.
2. It is also known as the broadcasting seed technique.
3. The method requires a large amount of water for seeds to grow.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statement 1 and 2 are correct. In Direct-Seeding Method, seeds are directly drilled into the fields, eliminating the need for nursery preparation and transplantation. It is also known as the broadcasting seed technique.

Statement 3 is incorrect. This method can help reduce water consumption by as much as 35% over the traditional process of transplanting rice seedlings from a nursery to waterlogged fields.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.3) Consider the following statements:

1. Software for quantum computing differs significantly from conventional programming.
2. Nuclear fusion requires heating the fuel, usually plasma, to extremely high temperatures.
3. Generating and controlling a fusion reaction requires less energy than the fusion reaction generates.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statement 1 and 2 are correct. Software for quantum computing differs significantly from conventional programming. Nuclear fusion requires heating the fuel, usually plasma, to extremely high temperatures.

Statement 3 is incorrect. Generating and controlling a fusion reaction requires more energy than the fusion reaction generates.

Source: [ForumIAS](#)

Q.4) With reference to the Carbon Border Adjustment Mechanism (CBAM) consider the following statements:

1. Under the CBAM, imports of certain carbon-intensive products like cement, iron and steel, electricity will have to bear the same economic costs borne by EU producers under the Emissions Trading System (ETS).
2. A reduction in the carbon pricing cannot be claimed even when a carbon price has been paid for the imported products in their country of origin.

Select the correct answer from the code given below:

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

Answer: A

Explanation –

Statement 1 is correct. Under the CBAM, imports of certain carbon-intensive products like cement, iron and steel, electricity will have to bear the same economic costs borne by EU producers under the Emissions Trading System (ETS).

Statement 2 is incorrect. When a carbon price has been paid for the imported products in their country of origin, a reduction can be claimed.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.5) With reference to the UGC (Institutions Deemed to be Universities) Regulations 2023, consider the following statements:

1. A cluster of institutions managed by more than one sponsoring body can also apply for deemed to be university status.
2. Deemed to be Universities with NAAC less than an 'A' grade or ranked more than 100 in the current NIRF ranking will be monitored on the academic parameters by UGC Expert Committee.
3. Institutions focusing on teaching and research in unique disciplines and/or addressing the strategic needs of the country or engaged in the preservation of Indian cultural heritage will be considered under 'Distinct Institution' category.

Which of the statements given above are correct?

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

Answer: D

Explanation –

Statement 1, 2 and 3 are correct. As per the the UGC (Institutions Deemed to be Universities) Regulations 2023 – A cluster of institutions managed by more than one sponsoring body can also apply for deemed to be university status, Deemed to be Universities with NAAC less than an 'A' grade or ranked more than 100 in the current NIRF ranking will be monitored on the academic parameters by UGC Expert Committee and Institutions focusing on teaching and research in unique disciplines and/or addressing the strategic needs of the country or engaged in the preservation of Indian cultural heritage will be considered under 'Distinct Institution' category.

Source: [ForumIAS](#)

Q.6) With reference to “Bima Vaahaks” consider the following statements:

1. It is one of the key concepts of the Insurance Regulatory and Development Authority of India's (IRDAI) 'Insurance for all by 2047' goal.
2. Bima Vaahaks are the special recruits and trained males that will spread the awareness about the insurance product like Bima Vistar.
3. With the Bima Vahaks engaging with the diverse needs in every Gram Panchayat, insurers can adapt their offerings to provide comprehensive coverage and address financial protection needs.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: B

Explanation –

Statement 1 and 3 are correct. Bima Vaahaks is one of the key concepts of the Insurance Regulatory and Development Authority of India's (IRDAI) 'Insurance for all by 2047' goal. With the Bima Vahaks engaging with the diverse needs in every Gram Panchayat, insurers can adapt their offerings to provide comprehensive coverage and address financial protection needs.

10 PM Compilation for the Month of June 2023

Statement 2 is incorrect. Bima Vaahaks (carriers) is a woman-centric workforce in each Gram Sabha that will meet the women heads of each household to convince them about a composite insurance product like Bima Vistar.

Source: [ForumIAS](#)

Q.7) Consider the following statements:

1. The Government of India Act of 1935 demarcated subjects into federal, provincial, and concurrent lists.
2. The Government of India Act 1935 put health in the Federal List.
3. The 15th Finance Commission has recommended health be transferred to the concurrent list allowing for uniform policy formulation and implementation.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statement 1 and 3 are correct. The Government of India Act of 1935 demarcated subjects into federal, provincial, and concurrent lists. The 15th Finance Commission has recommended health be transferred to the concurrent list allowing for uniform policy formulation and implementation.

Statement 2 is incorrect. The Government of India Act of 1935 established health as a state subject.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. Compared to salt cavern-based reserves, rock cavern-based reserves have low oil absorbency.
2. Rock cavern-based reserves are developed by excavation while salt caverns are developed by the process of solution mining.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. Compared to salt cavern-based reserves, rock cavern-based reserves have high oil absorbency.

Statement 2 is correct. Rock cavern-based reserves are developed by excavation while salt caverns are developed by the process of solution mining.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.9) Consider the following statements:

Statement I: The decision to recuse rests only on the conscience and discretion of the judge and no party can compel a judge to withdraw from a case.

Statement II: If a party has a reasonable belief that a judge may be biased in a case, the judge should consider recusing themselves to ensure impartiality and fairness in the judicial process. Which one of the following is correct in respect to the above statements?

- a) Both Statement-I and Statement-II are correct and Statement-II is the correct explanation for Statement-I.
- b) Both Statement-I and Statement-II are correct and Statement-II is not the correct explanation for Statement-I
- c) Statement-I is correct but Statement -II is incorrect.
- d) Statement-I is incorrect but Statement -II is correct.

Answer: B

Explanation –

Statement 1 and 2 are correct. The decision to recuse rests only on the conscience and discretion of the judge and no party can compel a judge to withdraw from a case. In *Ranjit Thakur versus Union of India* (1987), the SC said that if a party has a reasonable belief that a judge may be biased in a case, the judge should consider recusing themselves to ensure impartiality and fairness in the judicial process.

Source: [ForumIAS](https://forumias.com)

PRELIMS

Q.1) Consider the following statements:

1. The GOBARdhan scheme is an initiative of the Government of India that aims to promote linear economy.
2. The Unified Registration Portal of GOBARdhan is an example of Cooperative Federalism.
3. In the Unified Registration Portal of GOBARdhan, any government, cooperative or private entity operating or intending to setup a Biogas/CBG/Bio CNG plant in India can obtain a registration number by enrolling in the portal.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. Galvanizing Organic Bio-Agro Resources Dhan (GOBARdhan) is a vital umbrella initiative based on the whole of Government approach which aims to convert waste to wealth towards promoting a circular economy.

Statement 2 and 3 are correct. The Unified Registration Portal of GOBARdhan is an example of Cooperative Federalism. In the Unified Registration Portal of GOBARdhan, any government, cooperative or private entity operating or intending to setup a Biogas/CBG/Bio CNG plant in India can obtain a registration number by enrolling in the portal.

Source: [ForumIAS](#)

Q.2) With reference to the KAVACH System, consider the following statements:

1. It helps in auto whistling while approaching Level Crossing Gates.
2. It has been developed by the Defence Research and Development Organisation (DRDO).

Select the correct answer from the code given below:

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

Answer: A

Explanation –

Statement 1 is correct. KAVACH System helps in auto whistling while approaching Level Crossing Gates.

Statement 2 is incorrect. The KAVACH system has been developed by the Research Design and Standards Organisation(RDSO) of the Ministry of Railways in collaboration with Indian industry.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.3) In which of the following cases, the Supreme Court upheld the constitutional validity of the sedition law?

- a) Shah Bano Case
- b) SR Bommai Case
- c) Putt Swamy case
- d) Kedar Nath Case

Answer: D

Explanation – In Kedar Nath Sing case, the Supreme Court upheld the constitutional validity of the sedition law while attempting to restrict its scope for misuse.

Source: [ForumIAS](#)

Q.4) Consider the following statements:

- 1. India's pulses output has decreased in 2022-23.
- 2. The Yellow/white peas (matar) and chickpea (chana) has recorded dramatic import reduction in 2022-23.
- 3. The Minimum Support Price (MSP) of chana has been raised between 2013-14 and 2022-23.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. According to the Agriculture Ministry, India's pulses output has increased from 19.26 mt in 2013-14 to 27.50 mt in 2022-23.

Statement 2 and 3 are correct. The Yellow/white peas (matar) and chickpea (chana) has recorded dramatic import reduction in 2022-23. The Minimum Support Price (MSP) of chana has been raised between 2013-14 and 2022-23.

Source: [ForumIAS](#)

Q.5) Which of the following will likely be the consequence(s) of disappearing Aravali hillocks?

- 1. Increased man-animal conflict
- 2. Threat to existing ecosystem
- 3. Increased sand storm in certain places

Select the correct code given below:

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

Answer: D

Explanation – The disappearing of Aravali hillocks will - Increase man-animal conflict, Threat to existing ecosystem, Increased sand storm in certain places.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.6) Consider the following statements:

1. More than 90 percent of the bad loans originate in Public Sector Banks (PSBs).
2. The action taken for evergreening of loans is severe in PSBs than the private banks.
3. PSBs hold a significant portion of people's savings and play a crucial role in providing loans to small businesses, farming, and acting as the primary channel for government schemes, subsidies, and pensions.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: B

Explanation –

Statement 1 and 3 are correct. More than 90 percent of the bad loans originate in PSBs. PSBs hold a significant portion of people's savings and play a crucial role in providing loans to small businesses, farming, and acting as the primary channel for government schemes, subsidies, and pensions.

Statement 2 is incorrect. In the case of evergreening of loans, shareholders bear the brunt, promoters may be removed and even face legal consequences in private banks while in PSBs, no significant action is taken against bank chairman, board of directors, or officials.

Source: [ForumIAS](https://forumias.com)

Q.7) Consider the following statements:

1. A high density of tiger population has resulted in increased conflicts between humans and animals.
2. Translocation of tiger can help maintain genetic diversity among tiger populations.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Statement 1 and 2 are correct. A high density of tiger population has resulted in increased conflicts between humans and animals. Translocation of tiger can help maintain genetic diversity among tiger populations.

Source: [ForumIAS](https://forumias.com)

10 PM Compilation for the Month of June 2023

Q.8) Consider the following statements:

1. All-in-one insurance policy aims to give citizens protection against multiple risks, and expedite claim settlements by linking death registries onto a common industry platform.
2. Bima Vistar is a woman-centric workforce in each Gram Sabha that will meet the women heads of each household to convince them about a composite insurance product.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. All-in-one insurance policy aims to give citizens protection against multiple risks, and expedite claim settlements by linking death registries onto a common industry platform.

Statement 2 is incorrect. Bima Vistar is an insurance product that will be a bundled risk cover for life, health, property and casualties or accidents, with defined benefits for each risk that can be paid out faster than usual without the need for surveyors.

Source: [ForumIAS](#)

Q.9) Consider the following statements:

1. Strategic Petroleum Reserves (SPR) are stockpiles of crude oil maintained by countries or private industries which are meant to tackle emergency situations to counter short-term supply disruptions.
2. The Strategic Crude Oil Storage facilities in India is managed by the Hindustan Petroleum Corporation Limited (HPCL).

Select the correct answer from the code given below:

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

Answer: A

Explanation –

Statement 1 is correct. SPR are stockpiles of crude oil maintained by countries or private industries which are meant to tackle emergency situations to counter short-term supply disruptions.

Statement 2 is incorrect. The Strategic Crude Oil Storage facilities in India is managed by Indian Strategic Petroleum Reserves Limited (ISPRL), a Special Purpose Vehicle which is a wholly owned subsidiary of Oil Industry Development Board (OIDB) under the Ministry of Petroleum & Natural Gas.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.10) Consider the following statements:

1. Evergreening of loans are a process of removing bad loans from the books of banks after making adequate provisions for them whereas loan write-off is a practice of extending new or additional loans.
2. The P J Nayak Committee highlighted significant evergreening in banks.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. Loan write-offs are a process of removing bad loans from the books of banks after making adequate provisions for them whereas evergreening of loans is a practice of extending new or additional loans.

Statement 2 is correct. The P J Nayak Committee highlighted significant evergreening in banks.

Source: [ForumIAS](https://forumias.com)

PRELIMS

Q.1) Consider the following statements:

1. The Higgs boson is a subatomic particle that is integral to our understanding of mass.
2. The strength of a particle's interaction with the Higgs boson determines its mass.
3. Higgs boson has a spin of one.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statement 1 and 2 are correct. The Higgs boson is a subatomic particle that is integral to our understanding of mass. The strength of a particle's interaction with the Higgs boson determines its mass.

Statement 3 is incorrect. The spin of Higgs bosons is zero.

Source: [ForumIAS](#)

Q.2) Consider the following statements:

1. Adverse possession refers to the occupation of land that one does not own.
2. Under the Limitation Act, 1963, any person in possession of private land for over 12 years or government land for over 30 years can become the owner of that property.

Select the correct answer from the code given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. Adverse possession refers to the occupation of land that one does not own. Under the Limitation Act, 1963, any person in possession of private land for over 12 years or government land for over 30 years can become the owner of that property.

Source: [ForumIAS](#)

Q.3) Consider the following statements:

1. About 20% of people with chronic wounds are those with diabetes.
2. Chronic non-healing causes a staggering financial burden on the health care system.

Select the correct answer from the code given below:

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

Answer: B

Explanation –

10 PM Compilation for the Month of June 2023

Statement 1 is incorrect. About 80% of people with chronic wounds are those with diabetes.

Statement 2 is correct. Chronic non-healing causes a staggering financial burden on the health care system.

Source: [ForumIAS](#)

Q.4) With reference to the “Smart Bandage” consider the following statements:

1. It is a soft stretchable polymer that helps the bandage maintain contact with and stick to the skin.
2. The application of smart bandage may increase number of cleaning and dressing of the wound.
3. Data collected by the bandage is passed to a flexible printed circuit board, which relays it wirelessly to a smartphone or tablet for review by a physician.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statement 1 and 3 are correct. Smart Bandage is a soft stretchable polymer that helps the bandage maintain contact with and stick to the skin. Data collected by the bandage is passed to a flexible printed circuit board, which relays it wirelessly to a smartphone or tablet for review by a physician.

Statement 2 is incorrect. The application of smart bandage may reduce the cleaning and dressing of the wound.

Source: [ForumIAS](#)

Q.5) With reference to the “Amrit Dharohar Scheme” consider the following statements:

1. It is an initiative launched by the Government of India to establish a comprehensive framework and reduce infrastructural gaps in the fisheries sector.
2. The scheme was launched by the Union Finance Minister Nirmala Sitharaman.

Select the correct answer from the code given below:

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

Answer: D

Explanation –

Statements 1 and 2 are incorrect. Amrit Dharohar scheme aims to ensure the conservation of the existing Ramsar sites through public participation. The scheme was launched by the PM recently.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.6) Consider the following statements:

1. India accounts for about 3% of South Asia's mangroves.
2. Mangroves are unique, natural eco-system having very high biological productivity and carbon sequestration potential, besides working as a bio-shield.
3. MISHTI scheme aims to comprehensively explore the possible area for the development of coral reefs across the coastal state.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statement 1 and 2 are correct. India accounts for about 3% of South Asia's mangroves. Mangroves are unique, natural eco-system having very high biological productivity and carbon sequestration potential, besides working as a bio-shield.

Statement 3 is incorrect. MISHTI scheme aims to comprehensively explore the possible area for the development of mangroves covering nearly 540 sq km, spreading across 11 states and two union territories over five years, starting from FY 2023-24.

Source: [ForumIAS](#)

Q.7) Consider the following statements:

1. Movement of trains between two stations is regulated by interlocking.
2. The railway signalling system in India is mostly automatic.
3. Electronic Interlocking (EI) is a network of signals and switches which would control the movement of trains.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. Movement of trains between two stations is governed by 'block rules' whereas movement of trains within stations is regulated by 'interlocking'.

Statement 2 and 3 are correct. The railway signalling system in India is mostly automatic. Indian Railways is moving to a uniform signalling system called electronic interlocking (EI). EI is a network of signals and switches which would control the movement of trains.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.8) With reference to the RBI Committee on customer care, consider the following statements:

1. The aims of the committee were to assess the state of customer care services, evaluate the adequacy of existing regulations, and propose measures for improvement.
2. The committee was chaired by the Deputy Governor of the RBI.
3. The committee highlighted that the current disincentive mechanism through the framework for Strengthening Internal Grievance Redress Mechanism in banks is functioning effectively.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statement 1 and 2 are correct. The aims of the committee were to assess the state of customer care services, evaluate the adequacy of existing regulations, and propose measures for improvement. The committee was chaired by the Deputy Governor of the RBI.

Statement 3 is incorrect. The committee highlighted that the current disincentive mechanism through the framework for Strengthening Internal Grievance Redress Mechanism in banks is not functioning effectively.

Source: [ForumIAS](#)

Q.9) With reference to the “Defence Industrial Cooperation between India and the US” consider the following statements:

1. The cooperation roadmap shall guide the policy direction towards cooperation in high technology areas and identifying opportunities for co-development and co-production.
2. Under the Defence Industrial Cooperation, both sides reviewed the robust and multifaceted bilateral defence cooperation activities and agreed to maintain the momentum of engagement.

Select the correct answer from the code given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. The cooperation roadmap shall guide the policy direction towards cooperation in high technology areas and identifying opportunities for co-development and co-production. Under the Defence Industrial Cooperation, both sides reviewed the robust and multifaceted bilateral defence cooperation activities and agreed to maintain the momentum of engagement.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.10) Consider the following statements:

1. Participatory Guarantee System (PGS) is implemented by APEDA, under the Ministry of Commerce & Industries.
2. Under National Programme on Organic Production (NPOP), the certification for organic product is carried out by local groups consisting of producers and consumers and is based on trust.

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

Explanation –

Statement 1 and 2 are incorrect. PGS is implemented by the Ministry of Agriculture and Farmers Welfare. The PGS ensures that organic product production adheres to quality standards. NPOP is implemented by APEDA, under the Ministry of Commerce & Industries. It involves accreditation of Certification Bodies and sets standards for organic production. Its Standards have been recognized by the EU, Switzerland, and the US.

Source: [ForumIAS](#)

PRELIMS

Q.1) With reference to “Acinetobacter Baumannii” consider the following statements:

1. It is a dangerous bacterium resistant to antibiotics.
2. Acinetobacter baumannii survive on surfaces only for shorter period.
3. It was recognised as a red alert human pathogen.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statement 1 and 3 are correct. Acinetobacter Baumannii is a dangerous bacterium resistant to antibiotics. It was recognised as a red alert human pathogen.

Statement 2 is incorrect. Acinetobacter baumannii can survive on surfaces for longer periods.

Source: [ForumIAS](#)

Q.2) Consider the following statements:

1. The Union Home Ministry is the nodal ministry for implementing the NAMASTE scheme.
2. Under scheme for rehabilitation of manual scavengers, subsidies and loans are available to the manual scavengers to set up their own business.

Select the correct answer from the code given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. National Action Plan for Mechanized Sanitation Ecosystem (NAMASTE) is a joint project of the Ministry of Social Justice and Empowerment and the Ministry of Housing and Urban Affairs (MoHUA).

Statement 2 is correct. Under scheme for rehabilitation of manual scavengers, subsidies and loans are available to the manual scavengers to set up their own business.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.3) With reference to the Digital Economy, consider the following statements:

1. The Digital Economy refers to an Economy in which digital computing technologies are used in Economic Activities.
2. India has the second-fastest rate of growth of digital adoption among mature and emerging digital economies.
3. EdTech will see the largest expansion by 2030.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statement 1 and 2 are correct. The Digital Economy refers to an Economy in which digital computing technologies are used in Economic Activities. As per Trai, India has the second-fastest rate of growth of digital adoption among mature and emerging digital economies.

Statement 3 is incorrect. HealthTech and InsurTech, both sized at or less than \$2 billion today, will demonstrate the largest expansion by 2030.

Source: [ForumIAS](#)

Q.4) With reference to “Abaucin” consider the following statements:

1. It is a compound that shows useful activity as a narrow-spectrum antibiotic.
2. It disrupts the normal function of the CCR2 protein in bacteria.
3. It is effective against Acinetobacter baumannii.

Which of the statements given above are correct?

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

Answer: D

Explanation –

Statement 1, 2 and 3 are correct. Abaucin is a compound that shows useful activity as a narrow-spectrum antibiotic. It disrupts the normal function of the CCR2 protein in bacteria. It is effective against Acinetobacter baumannii.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.5) With reference to the Commission of Railway Safety (CRS) consider the following statements:

1. It deals with matters related to the safety of rail travel and operations.
2. It's headquartered is in Lucknow, Uttar Pradesh.
3. It reports to the Ministry of Railways.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statement 1 and 2 are correct. CRS deals with matters related to the safety of rail travel and operations. It's headquartered is in Lucknow, Uttar Pradesh.

Statement 3 is incorrect. The CRS is under the administrative control of the Ministry of Civil Aviation (MoCA). It does not report to the Ministry of Railways of the Railway Board.

Source: [ForumIAS](#)

Q.6) With reference to the “Lateral Entry” consider the following statements:

1. It involves the appointment of specialists from the private sector at junior level positions in the central government.
2. The lateral entry appointments are done on a permanent basis.

Select the correct answer from the code given below:

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

Answer: D

Explanation –

Statements 1 and 2 are incorrect. Lateral entry involves the appointment of specialists from the private sector at middle and senior-level positions in the Central government. The lateral entry appointments are done on a contractual basis.

Source: [ForumIAS](#)

Q.7) With reference to the African Union (AU) consider the following statements:

1. The largest urban agglomeration in the AU is Lagos, Nigeria.
2. Its secretariat is based in Addis Ababa, Ethiopia.
3. It is a permanent observer at the United Nations General Assembly.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

10 PM Compilation for the Month of June 2023

Statements 1 is incorrect. The largest city in the AU is Lagos, Nigeria, while the largest urban agglomeration is Cairo, Egypt.

Statement 2 and 3 are correct. AU secretariat is based in Addis Ababa, Ethiopia. It is a permanent observer at the United Nations General Assembly.

Source: [ForumIAS](#)

Q.8) With reference to the India Africa Forum Summit (IAFS) consider the following statements:

1. It is the official platform for the African-Indian relations.
2. The first two summits of IAFS followed the Banjul formula.
3. Benin is one of its permanent members.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statements 1 and 2 are correct. IAFS is the official platform for the African-Indian relations. The first two summits of IAFS followed the Banjul formula.

Statement 3 is incorrect. South Africa, Nigeria, Senegal, Algeria, and Egypt are five permanent members of IAFS.

Source: [ForumIAS](#)

Q.9) With reference to the “Deepfakes” consider the following statements:

1. It refers to the production of authentic information by machines using deep learning.
2. Deep Learning has enhanced our ability to understand, and even reinterpret, history.

Select the correct answer from the code given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. A deepfake is something that a machine has produced using deep learning and which contains false information.

Statement 2 is correct. Deep learning has been adapted in comedy, cinema, music, and gaming. It has enhanced our ability to understand, and even reinterpret, history.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.10) Which of the following are the reasons for lapses in road safety?

1. Faulty design
2. Poor maintenance
3. Human error

Select the correct code given below:

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

Answer: D

Explanation – Faulty design, Poor maintenance, Human error, Improper safety protocols and regulations are some of the reasons behind lapses in road safety.

Source: [ForumIAS](https://forumias.com)

PRELIMS

Q.1) With reference to the “Phage therapy” consider the following statements:

1. The therapy targets only the specific bacteria they are programmed to attack.
2. Phage therapy may increase antimicrobial resistance.
3. The patients getting the therapy often have minimal side effects.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statement 1 and 3 are correct. Phage therapy targets only the specific bacteria they are programmed to attack. The patients getting the therapy often have minimal side effects.

Statement 2 is incorrect. Phages are highly specific in their action, targeting only the specific bacteria they are programmed to attack. This can potentially reduce the risk of antibiotic resistance.

Source: [ForumIAS](https://forumias.com)

Q.2) With reference to “Exploration of Coal and Lignite Scheme” consider the following statements:

1. It aims to explore and estimate coal resources in the country, facilitating the preparation of detailed project reports for coal mining.
2. Under this scheme, exploration for Coal and Lignite is conducted in five broad stages.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. Exploration of Coal and Lignite Scheme aims to explore and estimate coal resources in the country, facilitating the preparation of detailed project reports for coal mining.

Statement 2 is incorrect. Under this scheme, exploration for Coal and Lignite is conducted in two broad stages: (i) Promotional (Regional) Exploration and (ii) Detailed Exploration in Non-Coal India Limited blocks.

Source: [ForumIAS](https://forumias.com)

10 PM Compilation for the Month of June 2023

Q.3) With reference to the India-U.S. Strategic Trade Dialogue (IUSSTD) consider the following statements:

1. It represents a key institutional innovation to unlock the potential of high-tech trade between the two countries envisaged as a part of the initiative on critical and emerging technologies (ICET).
2. Under the dialogue, India has agreed to lower its purchase of oil from Russia.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. IUSSTD represents a key institutional innovation to unlock the potential of high-tech trade between the two countries envisaged as a part of the initiative on critical and emerging technologies (ICET).

Statement 2 is incorrect. There is no such agreement. IUSSTD focused on ways in which both governments can facilitate the development and trade of technologies in critical domains such as semiconductors, space, telecom, quantum, AI, defence, bio-tech and others.

Source: [ForumIAS](#)

Q.4) With reference to the Kerala Fibre Optical Network (KFON) consider the following statements:

1. It aims to reduce the digital divide by ensuring high-speed broadband internet access to all houses and government offices.
2. It promises an internet speed from 5 Mbps to 10 Mbps.
3. The KFON infrastructure will be shared with all service providers, including cable operators.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statement 1 and 3 are correct. KFON aims to reduce the digital divide by ensuring high-speed broadband internet access to all houses and government offices. The KFON infrastructure will be shared with all service providers, including cable operators.

Statement 2 is incorrect. KFON promises an internet speed from 10 mbps to 10 Gbps.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.5) Consider the following pairs:

Ramsar Sites -----States

1. Vembanad Wetland----- Kerala
2. Pong Dam Lake ----- Assam
3. Loktak Lake ----- Manipur
4. Kolleru Lake ----- Andhra Pradesh

How many of the above pairs are correctly matched?

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

Answer: C

Explanation – 1, 3 and 4 are correctly matched. Pong Dam Lake is in Himachal Pradesh.

Source: [ForumIAS](#)

Q.6) With reference to “PM PRANAM” scheme consider the following statements:

1. The aim of the scheme is to promote healthy activities amongst the people, including diet and lifestyle.
2. The government has provided a separate budget for the scheme.

Select the correct answer from the code given below:

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

Answer: D

Explanation –

Statement 1 and 2 are incorrect. PM PRANAM aims to reduce the use of chemical fertilizers by incentivising states. The scheme will have no separate budget and will be financed through the savings of existing fertilizer subsidies.

Source: [ForumIAS](#)

Q.7) With reference to the National Testing Agency (NTA) consider the following statements:

1. NTA was established as a Society registered under the Indian Societies Registration Act, 1860.
2. It is an autonomous and self-sustained testing organization to conduct entrance examinations for admission/fellowship in higher educational institutions.
3. It chaired by the Prime Minister of India.

Which of the statements given above are correct?

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

Answer: A

Explanation –

10 PM Compilation for the Month of June 2023

Statements 1 and 2 are correct. NTA was established as a Society registered under the Indian Societies Registration Act, 1860. It is an autonomous and self-sustained testing organization to conduct entrance examinations for admission/fellowship in higher educational institutions.

Statement 3 is incorrect. NTA is chaired by an eminent educationist appointed by the Ministry of HRD.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. Transgenders are legally entitled to avail abortion services.
2. Gender Sensitisation and Internal Complaints Committee include queer non-binary lawyers.
3. Transgenders are exempted from the Ayushman Bharat scheme.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statement 1 and 2 are correct. Transgenders are legally entitled to avail of abortion services. Gender Sensitisation and Internal Complaints Committee include queer non-binary lawyers.

Statement 3 is incorrect. The Government of India expanded the ambit of Ayushman Bharat. It included transgender persons through the TG Plus card which entitles them to health.

Source: [ForumIAS](#)

Q.9) Consider the following statements:

1. Abusive market practices are prohibited under the provision of the Sebi Act of 1993 and the Sebi (prohibition of fraudulent & unfair trade practices relating to securities market) regulation 2003.
2. The Advertising Standards Council of India has laid down guidelines for influencers, who can influence purchasing and investing decisions.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Statement 1 and 2 are correct. Abusive market practices are prohibited under the provision of the Sebi Act of 1993 and the Sebi (prohibition of fraudulent & unfair trade practices relating to securities market) regulation 2003. The Advertising Standards Council of India has laid down guidelines for influencers, who can influence purchasing and investing decisions.

Source: [The Times of India](#)

10 PM Compilation for the Month of June 2023

Q.10) Kilauea volcano is located at

- a) Hawaii
- b) Nagoya
- c) Central Java
- d) Botswana

Answer: A

Explanation – Kilauea volcano is located at Hawaii.

Source: [NDTV](#)



PRELIMS

Q.1) Consider the following statements:

1. The per capita cost of a student studying abroad is lower than the cost incurred by a student studying in India.
2. Foreign university setting campuses in India will help India to stop the flow of foreign exchange out of the nation.

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

Answer: B

Explanation -

Statement 1 is incorrect. The per capita cost of a student studying abroad is almost 100 times the cost incurred by a student studying in India.

Statement 2 is correct. Foreign university setting campuses in India will help India to stop the flow of foreign exchange out of the nation.

Source: [India Today](#)

Q.2) With reference to the Directorate of Enforcement (ED) consider the following statements:

1. It is a law enforcement agency and economic intelligence agency responsible for enforcing economic laws and fighting economic crime in India.
2. It functions under the Union Home Ministry.
3. The Directorate of Enforcement has its headquarters at New Delhi.

Which of the statements given above are correct?

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

Answer: C

Explanation -

Statement 1 and 3 are correct. ED is a law enforcement agency and economic intelligence agency responsible for enforcing economic laws and fighting economic crime in India. The Directorate of Enforcement has its headquarters at New Delhi.

Statement 2 is incorrect. It is part of the Department of Revenue, Ministry of Finance, Government of India.

Source: [India Today](#)

10 PM Compilation for the Month of June 2023

Q.3) With reference to the Central Bureau of Investigation (CBI) consider the following statements:

1. It is an international crime investigating agency.
2. It operates under the jurisdiction of the Ministry of Personnel, Public Grievances and Pensions.
3. CBI derives power to investigate from the Delhi Special Police Establishment Act, 1946.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. CBI is the domestic crime investigating agency of India.

Statement 2 and 3 are correct. CBI operates under the jurisdiction of the Ministry of Personnel, Public Grievances and Pensions. It derives power to investigate from the Delhi Special Police Establishment Act, 1946.

Source: [India Today](#)

Q.4) Consider the following statements:

1. Biodiverse ecosystems regulate climate and diseases.
2. Water, soil, and air pollution pose a significant threat to biodiversity.
3. The IUCN status of Golden Langur is Vulnerable.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: B

Explanation –

Statement 1 and 2 are correct. Biodiverse ecosystems not only serve as a habitat for species, but also provide food and water, regulate climate and diseases, support nutrient cycling and production of oxygen, and have several recreational benefits. Water, soil, and air pollution pose a significant threat to biodiversity.

Statement 3 is incorrect. The IUCN status of Golden Langur is Endangered.

Source: [India Today](#)

10 PM Compilation for the Month of June 2023

Q.5) Consider the following statements:

1. Broadleaf trees are more flammable than evergreens.
2. The Acadian Forest is much less prone to large wildfires than forests in western Canada.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. Broadleaf trees are less flammable than evergreens because their branches and leaves are further from the ground, and their leaves hold more moisture.

Statement 2 is correct. The Acadian Forest is much less prone to large wildfires than forests in western Canada.

Source: [India Today](#)

Q.6) Consider the following statements:

1. A geomagnetic storm is a disturbance in Earth's magnetic field caused by the arrival of a Coronal mass ejections (CME's) charged particles.
2. CMEs are giant bursts of X-rays and energy that travel at the speed of light across all directions in the solar system.
3. If the CME is directed towards Earth and its magnetic fields are aligned with Earth's, then the impact can be more severe.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statement 1 and 3 are correct. A geomagnetic storm is a disturbance in Earth's magnetic field caused by the arrival of a Coronal mass ejections (CME's) charged particles. If the CME is directed towards Earth and its magnetic fields are aligned with Earth's, then the impact can be more severe.

Statement 2 is incorrect. CMEs are massive bursts of plasma and magnetic fields that are released from the Sun's corona.

Source: [India Today](#)

10 PM Compilation for the Month of June 2023

Q.7) Consider the following statements:

1. Aditya L-1 mission is a lunar exploration mission by the ISRO.
2. The Aditya L-1 spacecraft will be launched to Lagrange Point 1.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. Aditya L-1 mission is designed to study the solar coronal.

Statement 2 is correct. The Aditya L-1 spacecraft will be launched to Lagrange Point 1.

Source: [India Today](#)

Q.8) With reference to the AUKUS Grouping, consider the following statements:

1. India is one of the members of the group.
2. Under the AUKUS pact, the US and the UK will assist Australia in acquiring nuclear-powered submarines.
3. The pact also includes cooperation on advanced cyber mechanisms, artificial intelligence and autonomy and quantum technologies.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. Australia, US and UK are part of the group AUKUS.

Statements 2 and 3 are correct. Under the AUKUS pact, the US and the UK will assist Australia in acquiring nuclear-powered submarines. The pact also includes cooperation on advanced cyber mechanisms, artificial intelligence and autonomy and quantum technologies.

Source: [ForumIAS](#)

Q.9) With reference to the Ground-Level Ozone, consider the following statements:

1. It is a colourless and highly irritating gas.
2. It is also known as stratospheric ozone.
3. In winter months cold and foggy conditions inhibit ground-level ozone formation.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are correct. Ground-Level Ozone is a colourless and highly irritating gas. In winter months cold and foggy conditions inhibit ground-level ozone formation.

Statement 2 is incorrect. Ground-Level Ozone is also known as Tropospheric ozone.

Source: [ForumIAS](#)

PRELIMS

Q.1) Consider the following statements:

1. Population growth is directly associated with more environmental footprints.
2. As the countries get richer, the amount of waste increases.

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

Ans) b

Statement 1 is incorrect. The relationship between population growth and environmental degradation isn't straightforward. Countries like the US and Australia, despite having smaller populations, have a larger environmental footprint than India due to their consumption patterns and resource management strategies.

Statement 2 is correct. With waste generation — as we get richer, the amount of waste increases; its composition changes; and garbage takes over our streets. We also see this with air pollution in our cities — the richer we get, the more we drive in individual vehicles; and even as we clean up each vehicle with better emission controls and fuel quality, the absolute growth in numbers means more pollution.

Business Standard

Q.2) The Captagon pills are used by militaries of some countries during battles primarily for:

- a) Increasing alertness
- b) Suppressing urge for cigarettes
- c) Enhancing physical strength
- d) Inducing hallucinations

Ans) a

Exp) Captagon is a highly addictive amphetamine-type drug that was widely consumed by the Islamic State (IS) and Syrian fighters to increase alertness and suppress appetite during their gruelling battles.

Indian Express

10 PM Compilation for the Month of June 2023

Q.3) Which of the statements given below is/are correct?

1. Legislature of a State comprises the Governor and the Legislative Assembly and a Legislative Council.
2. There are certain instances where a Governor can exercise his discretion independent of the Council of Ministers. These decisions cannot be challenged.

Answer using 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 **Legislature of a State** comprises the Governor and the Legislative Assembly (if the State has one House) and a Legislative Council (if the State has two Houses). Statement 2 is correct. The Governor has limited autonomy in his functioning and can act only on the "advice" of his Council of Ministers, with the Chief Minister as the head of the Council. However, there are certain instances where a Governor can exercise his discretion independent of the Council of Ministers, as per Article 163(2) of the Constitution. This decision cannot be challenged.

Q.4) Consider the following statements associated with the phenomenon of 'virgin birth' in crocodiles, also known as facultative parthenogenesis:

1. The female's egg cell developing into a baby without being fertilized by a male's sperm cell.
2. The phenomenon unique to crocodiles only.
3. The scientists have reported this phenomenon from ancient fossils of crocodiles.

How many of the statements given above are correct?

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

Ans) a

Exp) The phenomenon of 'virgin birth' in crocodiles, known as facultative parthenogenesis, involves a female's egg cell developing into a baby without being fertilized by a male's sperm cell. This phenomenon has also been documented in other species of fish, birds, lizards, and snakes. The scientists said this is the first-known example in a crocodile.

[The Hindu](#)

Q.5) Which one of the following statements is *incorrect*?

- a) Taurine is a common ingredient in health supplements and energy drinks.
- b) Ageing mice, worms, and monkeys can live longer or healthier lives when fed large amounts of taurine.
- c) Levels of taurine decrease as the animals age.
- d) Taurine is a synthetic compound produced in laboratories.

Ans) b

Exp) The study on taurine suggests that it is a common ingredient in health supplements and energy drinks. The research also found that ageing mice, worms, and monkeys can live longer or

10 PM Compilation for the Month of June 2023

healthier lives when fed large amounts of taurine, and that levels of taurine decline as the animals age.

[Link](#)

Q.6) With reference to Cyclones in India, consider the following statements;

1. Arabian Sea is slightly warmer than the Bay of Bengal.
2. India witnesses a greater number of cyclones in the Bay of Bengal compared to the Arabian Sea.

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: A cyclone is a low-pressure system that forms over warm waters. Usually, a high temperature anywhere means the existence of low-pressure air, and a low temperature means high-pressure wind. In fact, this is one of the main reasons why India sees a greater number of cyclones in the Bay of Bengal compared to the Arabian Sea.

Statement 2 is correct: There are fewer number of cyclones in the Arabian Sea than in the Bay of Bengal.

Source: [What is Cyclone Biparjoy and how was it named?](#)

Q.7) Which of the following statement is not correct about the Electronically Transmitted Postal Ballot System (ETPBS)?

- a) It is designed to facilitate remote voting for individuals who are unable to cast their votes in person at a polling station.
- b) NRIs (Non-Resident Indians) are allowed to cast their vote through ETPBS.
- c) Under this system, postal ballots are sent electronically to registered service voters.
- d) The Conduct of Election Rules, 1961 was amended in 2016 to allow service voters to use the ETPBS.

Answer: B

Election Commission has proposed the expansion of Electronically Transmitted Postal Ballots(ETPBs) for NRIs. But the proposal is currently awaiting government approval. If implemented, it will allow over 1.34 crore overseas Indians to participate in elections using a technology-driven methodology.

Source: [Indian Express](#)

10 PM Compilation for the Month of June 2023

Q.8) Which of the following is/are the potential impact of Arctic Sea Ice?

1. Arctic Sea Ice helps in maintaining the earth's energy balance and cool polar regions.
2. Reduced Arctic Sea Ice cover creates shipping lanes and facilitates access to natural resources in the Arctic.
3. Indigenous Arctic populations reliant on sea ice for hunting, breeding, and migration.

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

Source: [The Hindu](#)

Q.9) With reference to Gilgit Manuscripts, consider the following statements;

1. It is the oldest surviving manuscript collection in India.
2. It contains canonical Hindu works that throw light on the evolution of the society at that time.

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 was written between the 5th -6th centuries CE, which is the oldest surviving manuscript collection in India. It was written on the birch bark folios documents written on pieces of inner layer of the bark of birch trees were found in Kashmir region.

Statement 2 is incorrect: It contains both canonical and non-canonical Jain and Buddhist works that throw light on the evolution of many religious-philosophical literature.

Source: [PIB](#)

Q.10) Ishad mango, which received geological indicator (GI) tag recently, belongs to which of the following state?

- a) Assam
- b) Tamil Nadu
- c) Karnataka
- d) Bihar

Answer: C

Recently, the Ishad mango from Uttara Kannada (Karnataka) has earned its much-awaited geological indicator (GI) tag. It is said that the mango variety has been cultivated for the last 400 years.

It has two variants — Kari Ishad, which has thin skin, more pulp and is sweeter, and Bili Ishad, which has thick skin and less pulp and sweetness. The Kari Ishad is accepted as one of the finest quality mangoes due to its unique aroma, luscious taste, high amount of pulp, shape, and size.

Source: [The New Indian Express](#)

PRELIMS

Q.1) With reference to Capacity Building Commission, consider the following statements

1. It is called the custodian of civil services capacity building reforms.
2. It is body under the chairmanship of Union Minister Human Resource Development.

Select the correct answer using the codes given below

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

Ans) a

Statement 1 is correct. The Capacity Building Commission was constituted through the Gazette of India on 1 April 2021. As the custodian of the civil services capacity building ecosystem

Statement 2 is incorrect. It was established as an independent body with complete executive and financial autonomy. The Commission comprises of three Members and is supported by an internal Secretariat. The Secretariat is headed by an officer in the grade of Joint Secretary to the GoI (designated as the Secretary to the Commission).

Q.2) If a major solar storm (solar flare) reaches the Earth, which of the following are the possible effects on the Earth?

1. GPS and navigation systems could fail.
2. Tsunamis could occur in equatorial regions.
3. Intense auroras could occur over much of the Earth.
4. Forest fires could take place over much of the planet.

Select the correct answer using the code given below:

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

Ans) d

Solar flares are intense bursts of radiation from the sun that can directly influence electronics on Earth. They are often associated with coronal mass ejections (CMEs), which are large clouds of gas that erupt from the sun's interior into its atmosphere.

Option 1 is correct. The large solar flare strike satellites in the Earth's upper atmosphere. Thus it affects GPS navigation, mobile phone transmissions, and satellite TV. The flares potentially disrupt power grids and electrical networks in various regions of the planet.

Option 2 is incorrect. Solar flares can temporarily alter the upper atmosphere creating disruptions. But it does not cause Tsunamis. It only affects the upper atmosphere.

Option 3 is correct. The high-energy particles emitted by the flare could also cause certain atoms in the Earth's atmosphere to glow, leading to auroras in Central Europe as well as North America. The phenomenon could only be seen if the weather is clear.

Option 4 is incorrect. There is no causal link between the coronal mass ejections (CMEs) and the deadly forest fires.

10 PM Compilation for the Month of June 2023

Q.3) With reference to the effects of pink bollworm on cotton, consider the following statements?

1. It reduces crop yield of cotton crop.
2. It does not have any effect on the quality of the cotton.

Select the correct answer using the codes given below

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

Ans) a

Statement 1 is correct and statement 2 is incorrect. Pink bollworm can reduce seed cotton yields by 35 to 90 per cent, and degrades the quality of the cotton that can be produced from the lint.

Q.4) Which one of the statements regarding effects of El-Nino is correct?

- a) Trade winds are stronger.
- b) During El Nino there are fewer phytoplankton off the pacific coast.
- c) El Niño events are associated with a warming of the central and eastern tropical Pacific.
- d) El Nino is another name of El Nino-Southern Oscillation (ENSO).

Ans) c

During El Niño, trade winds weaken. Warm water is pushed back east, toward the west coast of the Americas. El Niño events are associated with a warming of the central and eastern tropical Pacific.

El Niño also has a strong effect on marine life off the Pacific coast. During normal conditions, upwelling brings water from the depths to the surface; this water is cold and nutrient rich. During El Niño, upwelling weakens or stops altogether. Without the nutrients from the deep, there are fewer phytoplankton off the coast.

The warm phase of ENSO is typically referred to as El Nino, whereas the cold phase is referred to as La Nina.

Q.5) Consider the following statements

1. Horticulture and livestock and fisheries are more resilient to deficient rainfall compared to foodgrains and other crops.
2. The share of the rural non-farm sector in income and employment for rural households has been rising.

Select the correct answer using the codes given below

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

Ans) c

Statement 1 is correct. Horticulture and livestock and fisheries are more resilient to deficient rainfall compared to foodgrains and other crops.

Statement 2 is correct. The share of the rural non-farm sector in income and employment for rural households has been rising.

Source: [Business Standard](#)

10 PM Compilation for the Month of June 2023

Q.6) Which of the following countries are part of Svalbard mission?

1. Finland
2. Norway
3. Russia
4. India

Select the correct answer from the codes given below;

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

Answer: a

The Svalbard mission took place 26 years ago at Ny-Alesund, Svalbard between India and Norway.

In 1997, 4 Scientists from Indian Space Research Organisation(ISRO) travelled to the Svalbard Rocket Range.

Antrix had signed an agreement with the Norwegian Space Centre for the sale of a Rohini RH-300 Mk.II Sounding Rocket. The RH-300 Mk-II was given a new name by the Norwegian Space Centre as Isbjorn-1, which translates literally as 'Polar Bear-I.'

However, the rocket, unfortunately, did not achieve the predicted height, rising only up to 71 km.

Source: [ISRO, Norway and the 'Svalbard mission'](#)

Q.7) Which of the following statements is not correct about Coronal Mass Ejections (CMEs)?

- a) These are large-scale eruptions of charged particles (plasma) and magnetic fields from the solar atmosphere into space.
- b) Heating or cooling plasma will not occur in CMEs.
- c) They can disrupt a range of ground- and space-based technologies and satellites on Earth.
- d) CMEs travel outward from the Sun at speeds ranging from slower than 250 kilometres per second (km/s) to as fast as near 3000 km/s.

Answer: B

When CMEs propagate, several processes can exchange energy (electrical, kinetic, potential, thermal, and so on.), thereby heating or cooling the plasma.

Source: [Astronomers spot a surprising solar eruption that maintains constant temperature](#)

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

1. It is defined as the assembly of methods and instruments that enable a direct connection of technical components with the nervous system.
2. They are meant to either record signals from the brain and "translate" them into technical control commands, or to manipulate brain activity by applying electrical or optical stimuli.

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: It is defined as the assembly of methods and instruments that enable a direct connection of technical components with the nervous system.

10 PM Compilation for the Month of June 2023

Statement 2 is correct: They are meant to either record signals from the brain and “translate” them into technical control commands, or to manipulate brain activity by applying electrical or optical stimuli.

Source: [DTE](#)

Q.9) Consider the following statements about Dimethyl Ether Fuel.

1. It is a synthetically produced fuel that can be directly used in specially designed compression ignition diesel engines.
2. These have high emissions and high particulate matter content.
3. It is used extensively in the chemical industry and as solvent, fuel, and refrigerant.
4. These are banned to be used as fuel in many countries including Japan, USA and China,

How many of the above statements is/are correct?

- a) Only one
- b) Two pairs
- c) Three pairs
- d) All of them

Answer: B

Statements 2 and 4 are wrong.

DME exhibits comparable calorific value and similarity of its thermal efficiency to traditional fuels; It is a clean-burning fuel with low emission and low particulate matter.

DME is a renewable alternative to crude oil. Several countries, including Japan, USA, China, Sweden, Denmark, and Korea, are already using DME to power their vehicles.

Source: [DST](#)

Q.10) Kodumanal archaeological site is located in which of the following state?

- a) Maharashtra
- b) Tamil Nadu
- c) Karnataka
- d) Bihar

Answer: B

Kodumanal archaeological site is located in Tamil Nadu. Kodumanal is located on the northern banks of the Noyyal River and made it to the archaeology map in 1961 when the Archaeological Survey of India (ASI) started the first dig after noticing antique materials scattered across the barren land of the village.

Major findings in Kodumanal:

Potsherds containing names inscribed in Tamil-Brahmi script were found in a large number, apart from Roman silver coins, precious stones and quartz.

Semi-precious stone beads, bangles, copper, silver, iron, and terracotta are among the items unearthed during the excavations.

Recently, the Tamil Nadu Department of Archaeology has declared five ‘menhir’ (single stone) and megalithic burial sites at Kodumanal in Erode district as protected monuments.

Source: [The Hindu](#)

PRELIMS

Q.1) With reference to the Gilgit Manuscripts, consider the following statements:

1. These manuscripts have been discovered in the recent years.
2. These manuscripts include both canonical and non-canonical Buddhist works.
3. They are used for the study of the history and development of Buddhist thought.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. Gilgit Manuscripts have been discovered in 1931 in three instalments.

Statement 2 and 3 are correct. Gilgit Manuscripts include both canonical and non-canonical Buddhist works. They are used for the study of the history and development of Buddhist thought and writing is invaluable.

Source: [ForumIAS](#)

Q.2) Consider the following statements:

1. Under One Nation One Anganwadi Programme, even if people relocate to another State, they can receive benefits given by the government to children under six years of age and pregnant and lactating women.
2. Poshan Tracker app digitises and automates physical registers used by workers that helps improve the quality of their work.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Statement 1 and 2 are correct. Under One Nation One Anganwadi Programme, even if people relocate to another State, they can receive benefits given by the government to children under six years of age and pregnant and lactating women. Poshan Tracker app digitises and automates physical registers used by workers that helps improve the quality of their work.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.3) With reference to the “National Training Conclave” consider the following statements:

1. The conclave aims at skilling the tribal population living in the different regions across India.
2. The Conclave is being hosted by the Capacity Building Commission.

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

Explanation-

Statement 1 is incorrect. The objective of the conclave is to foster collaboration among civil services training institutes and bolster the training infrastructure for civil servants across the country.

Statements 2 is correct. The Conclave is being hosted by the Capacity Building Commission.

Source: [ForumIAS](#)

Q.4) Consider the following statements with respect to the Pink bollworm:

1. The pink bollworm is native to Asia but has become an invasive species in most of the world's cotton-growing regions.
2. The first generation transgenic Bt cotton is highly vulnerable to the pink bollworm.

Select the correct answer from the code given below:

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

Answer: A

Explanation –

Statement 1 is correct. The pink bollworm is native to Asia but has become an invasive species in most of the world's cotton-growing regions.

Statement 2 is incorrect. In parts of India, the pink bollworm is now resistant to first generation transgenic Bt cotton.

Source: [ForumIAS](#)

Q.5) With reference to the Minimum Support Price (MSP) consider the following statements:

1. It is the price paid to the farmers for procuring food crops.
2. It is announced by the Government at the beginning of the sowing season.
3. Commission for Agricultural Costs and Prices (CACP) is the nodal agency for procurement of crops at MSP along with State agencies.

Which of the statements given above are correct?

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

Answer: A

Explanation –

10 PM Compilation for the Month of June 2023

Statement 1 and 2 are correct. MSP is the price paid to the farmers for procuring food crops. It is announced by the Government at the beginning of the sowing season.

Statement 3 is incorrect. MSPs are recommended by the Commission for Agricultural Costs and Prices (CACP) and approved by the Cabinet Committee on Economic Affairs. Food Corporation of India (FCI) is the nodal agency for procurement along with State agencies.

Source: [ForumIAS](#)

Q.6) Consider the following statements:

1. Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) aims to reduce cultivation costs, restore soil ecosystems, conserve resources, boost farmer incomes, and ensure environmental sustainability.
2. The Ministry of Jal Shakti has imitated Sahi Fasal Campaign.
3. Crop rotation and multi-cropping can enhance soil fertility and reduce the water footprint.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. PMKSY aims to provide irrigation facilities to every farm and improve water efficiency.

Statements 2 and 3 are correct. The Ministry of Jal Shakti has imitated Sahi Fasal Campaign. Crop rotation and multi-cropping can enhance soil fertility and reduce the water footprint.

Source: [ForumIAS](#)

Q.7) With reference to the Production-Linked Incentive (PLI) scheme, consider the following statements:

1. It is a financial initiative launched by the Indian government to boost domestic manufacturing and make it globally competitive.
2. The scheme offers subsidies based on additional investments, incremental sales, and value additions.
3. The PLI scheme has been unable to increase exports of the electronics sector.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: B

Explanation –

Statements 1 and 2 are correct. PLI scheme is a financial initiative launched by the Indian government to boost domestic manufacturing and make it globally competitive. The scheme offers subsidies based on additional investments, incremental sales, and value additions.

Statement 3 is incorrect. Under the PLI scheme, sectors such as electronics, automobiles, pharmaceuticals, white goods, and textiles have witnessed significant growth in exports.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.8) Consider the following statements:

1. The recycling capacity in India is reported to be only half of the total plastic waste generated.
2. The SUPCPCB app helps in reporting crime to the nearest police station.

Select the correct statements using the codes given below;

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

Answer: A

Explanation –

Statement 1 is correct. The recycling capacity in India is reported to be only half of the total plastic waste generated.

Statement 2 is incorrect. The Central Pollution Control Board launched the SUPCPCB app, which allows citizens to report the use of single-use plastics.

Source: [ForumIAS](#)

Q.9) Consider the following statements:

1. Adolescent health is a significant indicator of women's labour force participation in India in the long term.
2. Undernourished adolescent girls are at a higher risk of chronic diseases and pregnancy complications.
3. National Family Health Survey (NFHS-4) reported over 41% of school-going girls as overweight.

Which of the statements given above are correct?

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

Answer: A

Explanations –

Statements 1 and 2 are correct. Adolescent health is a significant indicator of women's labour force participation in India in the long term. Undernourished adolescent girls are at a higher risk of chronic diseases and pregnancy complications.

Statement 3 is incorrect. NFHS-4 reported over 41.9% of school-going girls as underweight.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.10) Consider the following statements:

1. The Legislature of a State comprises the Governor and the Legislative Assembly and a Legislative Council.
2. When the governor returns the bill to the house for consideration, the house has four months to decide whether or not to accept the recommendation.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. The Legislature of a State comprises the Governor and the Legislative Assembly and a Legislative Council.

Statement 2 is incorrect. When the governor returns the bill to the house for consideration, the house has six months to decide whether or not to accept the recommendation.

Source: [ForumIAS](https://forumias.com)

10 PM Compilation for the Month of June 2023

PRELIMS

Q.1) With reference to the Hiroshima AI Process (HAP) consider the following statements:

1. It is an initiative of G20 countries.
2. HAP will work in cooperation with the OECD and Global Partnership on Artificial Intelligence (GPAI).
3. The initiative recognizes the need to immediately take stock of the opportunities and challenges of generative AI.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. Hiroshima AI Process (HAP) is an effort by G7 to determine a way forward to regulate Artificial Intelligence (AI).

Statements 2 and 3 are correct. HAP will work in cooperation with the OECD and Global Partnership on Artificial Intelligence (GPAI). The initiative recognizes the need to immediately take stock of the opportunities and challenges of generative AI.

Source: [ForumIAS](#)

Q.2) With reference to the ‘Neurotechnology’ consider the following statements:

1. It encompasses any method or electronic device which interfaces with the cardiac system to monitor or modulate cardiac activity.
2. Neuro technologies constitute powerful research tools to advance fundamental neuroscience knowledge.

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

Answer: B

Explanation-

Statement 1 is incorrect. Neurotechnology encompasses any method or electronic device which interfaces with the nervous system to monitor or modulate neural activity.

Statement 2 is correct. Neuro technologies constitute powerful research tools to advance fundamental neuroscience knowledge.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.3) With reference to the Sanshodhak Ship, consider the following statements:

1. It is a Shivalik-class stealth multi-role frigate built for the Indian Navy.
2. The ship would be deployed for collecting oceanographic and geophysical data for defence as well as civil applications.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. Sanshodhak is the fourth of four ships of the Survey Vessels (Large) (SVL) Project being built by L&T/ Garden Reach Shipbuilders & Engineers (GRSE) for the Indian Navy.

Statement 2 is correct. Sanshodhak Ship would be deployed for collecting oceanographic and geophysical data for defence as well as civil applications.

Source: [ForumIAS](#)

Q.4) With reference to the El Nino, consider the following statements:

1. In the case of India, El Niño is associated with a strong monsoon circulation.
2. La Nina brings good rainfall during the monsoon season.
3. El Nino accentuates the global warming phenomenon and contributes to climate change.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: B

Explanation –

Statement 1 is incorrect. In the case of India, El Niño has been associated with a weakening of the monsoon circulation, resulting in a reduction in rainfall during the monsoon season.

Statements 2 and 3 are correct. La Nina brings good rainfall during the monsoon season. El Nino accentuates the global warming phenomenon and contributes to climate change.

Source: [ForumIAS](#)

Q.5) Which of the following statements describes the term ‘Modern Slavery’?

- a) It refers to people being forcibly moved and recruited using violence or threats in order for them to be exploited for labor, prostitution, marriage, etc.
- b) It is where those trapped in poverty are forced to borrow money from others and can then be forced to work in order to pay back this debt.
- c) It refers to situations of exploitation that a person cannot refuse or leave because of threats, violence, coercion, deception, or abuses of power.
- d) It refers to when the child performs a commercial sex act after being recruited, sheltered, transported or sold.

Answer: C

Explanation – Modern Slavery refers to situations of exploitation that a person cannot refuse or leave because of threats, violence, coercion, deception, or abuses of power.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.6) Which of the following country gave the idea to form an alliance of countries called “One Future Alliance”?

- a) United States
- b) Japan
- c) Turkey
- d) India

Answer: D

Explanation – India introduced the idea to form an alliance of countries called One Future Alliance which would allow like-minded nations to use technology to improve people’s lives.

Source: [ForumIAS](#)

Q.7) With reference to Deep brain stimulation (DBS) consider the following statements:

- 1. DBS involves implanting electrodes within certain areas of the brain.
- 2. DBS is approved to treat a number of conditions such as Parkinson’s disease.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. DBS involves implanting electrodes within certain areas of the brain. DBS is approved to treat a number of conditions such as Parkinson’s disease.

Source: [ForumIAS](#)

Q.8) With reference to the Initiative on Critical and Emerging Technologies (iCET) consider the following statements:

- 1. It was launched by India and Australia to expand the partnership for critical and emerging technologies.
- 2. Lunar exploration is one of the areas of cooperation in the iCET.
- 3. On the India side, the initiative is being run by the National Security Councils of India.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. iCET was launched by India and the US to expand the India-US partnership for critical and emerging technologies.

Statements 2 and 3 are correct. The iCET involves collaboration in a range of areas including quantum computing, semiconductors, 5G and 6G wireless infrastructure and civilian space projects such as lunar exploration. The initiative is being run by the National Security Councils of both countries.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.9) With reference to Dimethyl Ether (DME) consider the following statements:

1. It is used extensively in the chemical industry and as an aerosol propellant.
2. It can be produced indigenously.
3. DME is non-renewable.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: B

Explanation –

Statements 1 and 2 are correct. DME is used extensively in the chemical industry and as an aerosol propellant. It can be produced indigenously and several countries, like Japan, USA, China, Sweden, Denmark, and Korea, are already using DME to power their vehicles.

Statement 3 is incorrect. DME is suitable alternative to diesel since it is renewable.

Source: [ForumIAS](#)

Q.10) Consider the following statements:

1. India has established a digital public infrastructure (DPI), known as India Stack.
2. Computer Emergency Response Team (CERT-In) is the national nodal agency that deals with cybersecurity threats in India.
3. The United Kingdom operates the Cybersecurity and Infrastructure Security Agency (CISA).

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statements 1 and 2 are correct. India has established a digital public infrastructure (DPI), known as India Stack. CERT-In is the national nodal agency that deals with cybersecurity threats in India.

Statement 3 is incorrect. The United States operates the Cybersecurity and Infrastructure Security Agency (CISA).

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

PRELIMS

Q.1) With reference to the 'Women 20 Summit' consider the following statements:

1. It is the official G20 engagement group.
2. India's W20 agenda focuses on women nutrition.
3. The theme of W20 Summit is Women-Led Development- Transform, Thrive and Transcend.

Which of the statements given above are correct?

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

Answer: C

Explanation -

Statements 1 and 3 are correct. Women 20 is the official G20 engagement group. The theme of W20 Summit is Women-Led Development- Transform, Thrive and Transcend.

Statement 2 is incorrect. India's W20 agenda focuses on five key priorities: Women's Entrepreneurship, Grassroots Women's Leadership, Bridging the Gender Digital Divide, Education and Skill Development, and Climate Change.

Source: [ForumIAS](#)

Q.2) Consider the following statements:

1. India accounts for only 11% of the arable in the world.
2. India runs the world's largest food programme under the National Food Security Act, 2013.

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

Answer: C

Explanation -

Statement 1 and 2 are correct. India accounts for only 11% of the arable in the world. India runs the world's largest food programme under the National Food Security Act, 2013.

Source: [ForumIAS](#)

Q.3) Consider the following statements:

1. The crop can be grown in regions where rainfall varies from 25 to 150cm/year.
2. The crop can be grown in tropical, sub-tropical and in temperate zones.
3. It is a Rabi crop.

Which of the following crop has been described above?

- a) Rice
- b) Bajra
- c) Mustard
- d) Wheat

Answer: D

Explanation - Wheat crop can be grown in regions where rainfall varies from 25 to 150cm/year. It can grow in in tropical, sub-tropical and in temperate zones. It is a rabi crop.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.4) With reference to the Chite Lui River, consider the following statements:

1. It is situated in Assam.
2. It is one of the largest rivers of northeastern India.
3. The river originates from Bawngkawn range in north Aizawl.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: A

Explanation –

Statement 1 and 2 are incorrect. Chite Lui River is a river of Mizoram. It is a small river.

Statement 3 is correct. The river originates from Bawngkawn range in north Aizawl.

Source: [ForumIAS](#)

Q.5) With reference to “Sea Lettuce” consider the following statements:

1. It is a native plant species of Eastern Asia.
2. It is perennial and grows all year.
3. Large masses of sea lettuce are an indicator of nutrient pollution in the water.

Which of the above statements are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. Sea Lettuce grows naturally all over the world. It grows in both littoral and sublittoral waters in depths of up to 75 meters, although it needs a lot of sunlight to flourish.

Statements 2 and 3 are correct. Sea Lettuce is perennial, and grows all year, although the largest blooms occur during the summer. Large masses of sea lettuce are an indicator of nutrient pollution in the water.

Source: [ForumIAS](#)

Q.6) With reference to the “Atlantic Declaration” consider the following statements:

1. The declaration has been signed between the United States and the United Kingdom.
2. It aims to adapt, reinforce, and reimagine the longstanding alliance between the two nations to effectively address the challenges of the current era.
3. Advancing closer cooperation on tech protection, economic security toolkits and supply chains is one of the pillars of the declaration.

Which of the statements given above are correct?

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

Answer: D

Explanation –

10 PM Compilation for the Month of June 2023

Statements 1, 2 and 3 are correct. Atlantic Declaration has been signed between the United States and the United Kingdom. It aims to adapt, reinforce, and reimagine the longstanding alliance between the two nations to effectively address the challenges of the current era. Advancing closer cooperation on tech protection, economic security toolkits and supply chains is one of the pillars of the declaration.

Source: [ForumIAS](#)

Q.7) In which of the following states, 'Kari Ishad Mango' is grown?

- a) Maharashtra
- b) Karnataka
- c) Uttar Pradesh
- d) West Bengal

Answer: B

Explanation – Kari Ishad Mango is grown in Ankola taluk of Uttara Kannada district of Karnataka. The fruit has a short shelf life of about five days. It has two variants — Kari Ishad, which has thin skin, more pulp and is sweeter, and Bili Ishad, which has thick skin and less pulp and sweetness. It has recently received the GI tag.

Source: [ForumIAS](#)

Q.8) With reference to “Leptospirosis” consider the following statements:

- 1. It is a potentially fatal zoonotic bacterial disease.
- 2. The disease is caused by a bacterium called *Leptospira interrogans* or *Leptospira*.
- 3. The disease is more prevalent in cold countries.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statements 1 and 2 are correct. Leptospirosis is a potentially fatal zoonotic bacterial disease. The disease is caused by a bacterium called *Leptospira interrogans* or *Leptospira*.

Statement 3 is incorrect. The disease is more prevalent in warm, humid countries and in both urban and rural areas.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.9) With reference to National Institutional Ranking Framework (NIRF) consider the following statements:

1. Its purpose is to rank government schools from primary levels to the secondary level across the country.
2. The framework judge's institutions under five broad groups of parameters.
3. Agriculture and allied sectors and innovation are two verticals added to the ranking exercise of NIRF from 2023 onward.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. The purpose of NIRF is to rank colleges, universities and research institutions and also provides an overall ranking of all of them combined.

Statements 2 and 3 are correct. The framework judge's institutions under five broad groups of parameters of 1) Teaching, Learning and Resources (TLR), 2) Research and Professional Practice (RP), 3) Graduation Outcomes (GO), 4) Outreach and Inclusivity (OI) and 5) Perception (PR). Agriculture and allied sectors and innovation are two verticals added to the ranking exercise of NIRF from 2023 onward.

Source: [ForumIAS](#)

Q.10) With reference to the Integrated Child Development Services (ICDS) consider the following statements:

1. The beneficiaries under the scheme are the orphan and disabled children of more than six years of age belonging to the families of Scheduled Tribes.
2. The scheme lays the foundation for proper psychological, physical and social development of the child.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. The beneficiaries under the ICDS scheme are children in the age group of 0-6 years, pregnant women and lactating mothers.

Statement 2 is correct. The scheme lays the foundation for proper psychological, physical and social development of the child.

Source: [ForumIAS](#)

PRELIMS

Q.1) With reference to “VAIBHAV Fellowship” consider the following statements:

1. Ministry of Science and Technology is the nodal ministry for the implementation of fellowship.
2. The fellowship is available to the applicants who are currently residing in India.
3. The selected fellows would be invited to work in 18 identified knowledge verticals including quantum technology, health, pharma, electronics, etc.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are correct. Ministry of Science and Technology is the nodal ministry for the implementation of fellowship. The selected fellows would be invited to work in 18 identified knowledge verticals including quantum technology, health, pharma, electronics, etc.

Statement 2 is incorrect. The applicant should be a Non-Resident Indian (NRI), Person of Indian Origin (PIO) and Overseas Citizen of India (OCI), currently living abroad.

Source: [ForumIAS](#)

Q.2) Consider the following statements:

1. The number of diabetic patients has increased in India.
2. The non-communicable diseases (NCD) have been one of the major concerns of the Health Ministry.
3. The lowest prevalence of NCDs is found in Bihar.

Which of the statements given above are correct?

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

Answer: A

Explanations-

Statements 1 and 2 are correct. The number of diabetic patients has increased in India. The non-communicable diseases (NCD) have been one of the major concerns of the Health Ministry.

Statement 3 is incorrect. As per the study, the lowest prevalence of NCDs was found in U.P., Mizoram, Meghalaya and Jharkhand.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.3) Consider the following statements:

1. Chromosphere is the outermost layer of the Sun.
2. The chromosphere emits a reddish glow as super-heated hydrogen burns off.
3. Chromosphere plays a crucial role in transferring energy that heats the corona and fuels the solar wind.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. The corona is the outermost layer of the Sun. The layer of the sun from deepest to outer are – photosphere, chromosphere, transition region and corona.

Statements 2 and 3 are correct. The chromosphere emits a reddish glow as super-heated hydrogen burns off. Chromosphere plays a crucial role in transferring energy that heats the corona and fuels the solar wind.

Source: [ForumIAS](#)

Q.4) With reference to the Wind Energy Capacity, consider the following statements:

1. India ranks fourth in wind power capacity in the world.
2. India has developed around 15 GW of domestic wind manufacturing capacity.

Select the correct answer from the code given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. India ranks fourth in wind power capacity in the world. India has developed around 15 GW of domestic wind manufacturing capacity.

Source: [ForumIAS](#)

Q.5) Consider the following statements:

1. Landfall of a cyclone refers to a situation where the core of high winds (or eyewall) comes onshore but the centre of the storm may remain offshore.
2. The damage caused by the landfall depends on the severity of the cyclone.
3. The duration of the landfall depends on the speed of the winds and the size of the storm system.

Which of the statements given above are correct?

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

Answer: B

Explanation –

10 PM Compilation for the Month of June 2023

Statements 1 is incorrect. Landfall is the event of a tropical cyclone coming onto land after being over water.

Statement 2 and 3 are correct. The damage caused by the landfall will depend on the severity of the cyclone. The duration of the landfall depends on the speed of the winds and the size of the storm system.

Source: [ForumIAS](#)

Q.6) With reference to the Gender Social Norms Index (GSNI) consider the following statements:

1. The index tracks people's behavior with each other in a society.
2. The index is released by the United Nations Development Programme (UNDP).

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

Answer: B

Explanation –

Statement 1 is incorrect. GSNI tracks people's attitudes towards women in four dimensions: political, educational, economic and physical integrity.

Statement 2 is correct. GSNI is released by the United Nations Development Programme (UNDP).

Source: [ForumIAS](#)

Q.7) With reference to the “State Food Safety Index” consider the following statements:

1. It is an annual assessment released by the Ministry of Information and Broadcasting.
2. Kerala tops the index among the large state category.
3. The index is meant to create a competitive and positive change in the food safety ecosystem in the country.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: B

Explanation –

Statement 1 is incorrect. State Food Safety Index is an annual assessment released by the Food Safety and Standards Authority of India (FSSAI).

Statements 2 and 3 are correct. Kerala tops the index among the large state category. The index is meant to create a competitive and positive change in the food safety ecosystem in the country.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.8) Magdalena River is located at

- a) Colombia
- b) Ecuador
- c) Morocco
- d) Panama

Answer: A

Explanation – Magdalena River is the main river of Colombia.

Source: [DNA](#)

Q.9) Consider the following statements:

- 1. De-dollarization can increase the risk of recession in India.
- 2. De-dollarization refers to a country's decision to advance trade and economic reserves in gold rather than US dollars.

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

Answer: B

Explanation –

Statement 1 is incorrect. The Indian rupee can be strengthened greatly due to the de-dollarization which can also avert a possible recession in India.

Statement 2 is correct. The de-dollarization refers to countries reducing their reliance on the US dollar, and advancing trade and economic reserves in their own currency or alternate resources, including gold and precious metals.

Source: [DNA](#)

Q.10) With reference to the “Necrophilia” consider the following statements:

- 1. It is a term used to describe a sexual attraction or act involving a person engaging in sexual activities with a deceased body.
- 2. The sexual assault of a dead body does not come under the ambit of rape or unnatural offences under the Indian Penal Code.

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

Answer: C

Explanation –

Statement 1 and 2 are correct. Necrophilia is a term used to describe a sexual attraction or act involving a person engaging in sexual activities with a deceased body. The sexual assault of a dead body does not come under the ambit of rape or unnatural offences under the Indian Penal Code.

Source: [DNA](#)

PRELIMS

Q.1) Repetitive Transcranial Magnetic Stimulation (rTMS) was seen in the news recently, is associated with –

- a) Gene editing therapy
- b) Brain stimulation technique
- c) Cross fertilization
- d) Green technology

Answer: B

Explanation – Repetitive Transcranial Magnetic Stimulation (rTMS) therapy is a non-invasive brain stimulation technique that uses electromagnetic fields to generate electrical impulses in specific regions of the brain that are known to modulate moods.

Source: [ForumIAS](#)

Q.2) Consider the following statements:

- 1. Remittances is an important source of foreign exchange for India.
- 2. Remittance inflows in India represented very large shares of GDP in 2022.
- 3. Remittances are highly complementary to government cash transfers and essential to households during times of need.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are correct. Remittances is an important source of foreign exchange for India. Remittances are highly complementary to government cash transfers and essential to households during times of need.

Statement 2 is incorrect. In India, the largest global recipient, remittances represented only 3.3% of GDP in 2022. Remittance inflows represented very large shares of GDP in countries such as Tajikistan (51% of GDP), Tonga (44%), Lebanon (35%), Samoa (34%), and the Kyrgyz Republic (31%).

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.3) With reference to Impact Bonds, consider the following statements:

1. Impact bonds can be used for all sorts of purposes and in any sector.
2. Skill Impact Bond (SIB) is India's first development impact bond for skilling and employment.
3. Social Impact Bonds are entirely dependent upon the success of the social outcome.
4. Social Impact Bonds are affected by variables such as interest rate risk, reinvestment risk, or market risk.

How many of the above statements are correct?

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

Answer: C

Explanation –

Statements 1, 2 and 3 are correct. Impact bonds can be used for all sorts of purposes and in any sector, from social projects that help to reduce inequality or improve care for the elderly to projects that enhance public transport or sustainable energy projects. Skill Impact Bond (SIB) is India's first development impact bond for skilling and employment. Social Impact Bonds are entirely dependent upon the success of the social outcome.

Statement 4 is incorrect. Unlike normal bonds, social impact bonds are not affected by variables such as interest rate risk, reinvestment risk, or market risk.

Source: [ForumIAS](#)

Q.4) With reference to “Dugdh Sanakalan Sathi Mobile App” consider the following statements:

1. The app will help in online monitoring of daily milk poured at Milk Cooperative Societies.
2. The app has been developed by Rajasthan Electronics & Instruments Limited (REIL), Jaipur.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Statement 1 and 2 are correct. Dugdh Sanakalan Sathi Mobile App will help in online monitoring of daily milk poured at Milk Cooperative Societies. The app has been developed by Rajasthan Electronics & Instruments Limited (REIL), Jaipur.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.5) Which of the following statement is incorrect regarding the Ionosphere?

- The ionosphere acts as a gateway for radio communication between the ground and space.
- Weather from Earth, like hurricanes or large thunderstorm systems, can create pressure waves that ripple up into the ionosphere.
- Ionosphere is made up of uncharged particles.
- The ionosphere is a very active part of the atmosphere, and it grows and shrinks depending on the energy it absorbs from the Sun.

Answer: C

Explanation – The name ionosphere comes from the fact that gases in these layers are excited by solar radiation to form ions, which have an electrical charge.

Source: [ForumIAS](#)

Q.6) With reference to the United Nations Sustainable Development Cooperation Framework 2023-2027, consider the following statements:

- The framework has been signed between Association for Democratic Reforms (ADR) and the European Union.
- The framework is built upon four pillars.
- The implementation, monitoring and reporting of the framework will be co-led by the Government of India and the United Nations, through a Joint Steering Committee.

Which of the statements given above are correct?

- 1 and 2 only
- 2 and 3 only
- 1 and 3 only
- 1, 2 and 3

Answer: B

Explanation –

Statement 1 is incorrect. The framework has been signed between Niti Aayog and the United Nations.

Statements 2 and 3 are correct. The framework is built upon four pillars—People, Prosperity, Planet, and Participation. The implementation, monitoring and reporting of the framework will be co-led by the Government of India and the United Nations, through a Joint Steering Committee.

Source: [ForumIAS](#)

Q.7) Consider the following statements:

- Cratons are pieces of ancient continents that formed several billions of years ago.
- Greenstones are rock assemblages that are primarily composed of sub-marine volcanic rocks with minor sedimentary rocks.

Select the correct answer from the codes given below:

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

Answer: C

Explanation –

10 PM Compilation for the Month of June 2023

Statements 1 and 2 are correct. Cratons are pieces of ancient continents that formed several billions of years ago. Greenstones are rock assemblages that are primarily composed of submarine volcanic rocks with minor sedimentary rocks.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. Nearly 48% of cyclones of the Arabian Sea never reached land.
2. The Bay of Bengal has a much deeper layer of warm water compared to the Arabian Sea.
3. Steering winds influence the direction and recurving of cyclones.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: B

Explanation –

Statements 1 and 3 are correct. Nearly 48% of cyclones of the Arabian Sea never reached land. Steering winds influence the direction and recurving of cyclones.

Statement 2 is incorrect. The Arabian Sea has a much deeper — up to 40 metres – layer of warm water compared to the Bay of Bengal.

Source: [ForumIAS](#)

Q.9) With reference to the Integrated Theatre Command, consider the following statements:

1. A theatre command is a military structure wherein all the assets of the army, air force and navy in a particular theatre of war are under the operational control of a three-star general.
2. These unified combat commands are organized either on a geographical basis or on a functional basis.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. A theatre command is a military structure wherein all the assets of the army, air force and navy in a particular theatre of war are under the operational control of a three-star general. These unified combat commands are organized either on a geographical basis or on a functional basis.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.10) Consider the following statements with respect to Synthetic embryos:

1. Synthetic embryos are embryos created by fertilization.
2. These embryos do not require an egg or sperm cell to facilitate their creation.
3. These embryos rely on self-assembling stem cell structures to mimic the natural process of early human development.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statements 1 is incorrect. Synthetic embryos are embryos, which are created without fertilization. These are also known as artificial embryos.

Statements 2 and 3 are correct. Synthetic embryos do not require an egg or sperm cell to facilitate their creation. These embryos rely on self-assembling stem cell structures to mimic the natural process of early human development.

Source: [ForumIAS](https://forumias.com)

PRELIMS

Q.1) With reference to “Gandhi Peace Prize” consider the following statements:

1. The award is given once in three years.
2. The award is open to all persons.
3. The jury which decides the awardee of the Gandhi Peace Prize comprises the Prime Minister of India.

Which of the statements given above is/are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. Gandhi Peace Prize is an annual award instituted by the Government of India in 1995.

Statements 2 and 3 are correct. Gandhi Peace Prize is open to all persons regardless of nationality, race, language, caste, creed or gender. The jury which decides the awardee of the Gandhi Peace Prize comprises the Prime Minister of India, the Leader of the Opposition in the Lok Sabha, the Chief Justice of India, the Speaker of the Lok Sabha and one other eminent person.

Source: [ForumIAS](https://forumias.com)

Q.2) Consider the following statements:

1. Global warming is causing the Arabian Sea to heat up, which is resulting in more stronger cyclones.
2. The number of cyclonic disturbances originating from the Bay of Bengal has increased in the past few decades.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. Global warming is causing the Arabian Sea to heat up, which is resulting in more, stronger cyclones.

Statement 2 is incorrect. The number of cyclonic disturbances originating from the Bay of Bengal has decreased in the past few decades.

Source: [ForumIAS](https://forumias.com)

10 PM Compilation for the Month of June 2023

Q.3) Consider the following statements:

1. Soul of Steel Challenge is modelled on the lines of the 'Ironman triathlon'.
2. Team CLAW (Conquer Land, Air, Water) is a team of ex-Indian Special Forces commandos.
3. The Soul of Steel event will lay the foundation to galvanize the adventure sports potential of remote areas of India.

Which of the statements given above are correct?

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

Answer: D

Explanation –

Statements 1, 2 and 3 are correct. Soul of Steel Challenge is modelled on the lines of the 'Ironman triathlon'. Team CLAW (Conquer Land, Air, Water) is a team of ex-Indian Special Forces commandos. The Soul of Steel event will lay the foundation to galvanize the adventure sports potential of remote areas of India.

Source: [ForumIAS](#)

Q.4) With reference to Open Market Sale Scheme (OMSS) consider the following statements:

1. The scheme aims at integrating local shopkeepers in an open platform and sell their products online at pre-determined rates.
2. The government has recently announced to limit the number of registrations per area for the shopkeepers under the scheme.

Select the correct statements using the codes given below:

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

Answer: D

Explanation-

Statements 1 and 2 are incorrect. Under the Open Market Sale Scheme, the Food Corporation of India (FCI) sells surplus stocks of wheat and rice at pre-determined prices through e-auction in the open market. The Central Government has recently announced its decision to reduce the quantity of foodgrains a bidder can purchase under the Open Market Sale Scheme.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.5) With reference to Direct Seeding of Rice (DSR) consider the following statements:

1. In DSR, paddy is sown in the field after the nursery preparation, puddling or flooding.
2. DSR method reduces labor and drudgery by eliminating seedling uprooting and transplanting.
3. DSR increases total income by reducing cost of cultivation.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statements 1 is incorrect. In DSR, paddy is sown directly in the field without any nursery preparation, puddling or flooding.

Statements 2 and 3 are correct. DSR method reduces labor and drudgery by eliminating seedling uprooting and transplanting. DSR increases total income by reducing cost of cultivation.

Source: [ForumIAS](#)

Q.6) Consider the following statements with respect to Duck-billed Dinosaur:

1. Duck-billed Dinosaur is a species of carnivorous dinosaur.
2. They were common in North America, Asia and Europe during the Cretaceous period.

Select the correct statements using the codes given below:

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

Answer: B

Explanation-

Statement 1 is incorrect. Duck-billed Dinosaur is a species of herbivorous dinosaur.

Statement 2 is correct. Duck-billed Dinosaur were common in North America, Asia and Europe during the Cretaceous period.

Source: [ForumIAS](#)

Q.7) With reference to 'Armado' consider the following statements:

1. It is a type of Geosynchronous Satellite Launch Vehicle (GSLV).
2. It is a fully indigenous vehicle.
3. It can accommodate a driver and 5 passengers.

Which of the statements given above are correct?

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

Answer: B

Explanation –

10 PM Compilation for the Month of June 2023

Statement 1 is incorrect. Armado is India's first Armoured Light Specialist Vehicle (ALSV). **Statements 2 and 3** are correct. Armado is a fully indigenous vehicle designed and built by the Mahindra Defence Systems (MDS) for the Indian armed forces. It can accommodate a driver and 5 passengers.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. Currently, renewable energy accounts for only 12% of India's power generation.
2. The variable nature of renewable energy power makes it difficult to integrate it with the transmission of power produced by conventional sources.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. Currently, renewable energy accounts for only 12% of India's power generation. The variable nature of renewable energy power makes it difficult to integrate it with the transmission of power produced by conventional sources.

Source: [ForumIAS](#)

Q.9) With reference to the "Reserve Currency" consider the following statements:

1. These are also known as soft currencies.
2. Reserve currencies are required to meet the gap between a country's international payments and receipts.
3. These currencies are non-convertible currencies.

Which of the statements given above is/are correct?

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

Answer: B

Explanation –

Statements 1 and 3 are incorrect. Reserve Currencies are known as hard currency. These currencies are fully convertible currencies.

Statement 2 is correct. Reserve currencies are required to meet the gap between a country's international payments and receipts.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.10) Open-Radio Access Networks (O-RAN) was seen in the news recently, is related to –

- a) Missile Technology
- b) Radar Coverage
- c) 5G Technology
- d) Genome Sequencing

Answer: C

Explanation – Open RAN is an ongoing shift in mobile network architectures that enables service providers the use of non-proprietary subcomponents from a variety of vendors. India has become a leader in testing Open-Radio Access Networks (O-RAN) as a pathway to 5G coverage.

Source: [ORF](#)

PRELIMS

Q.1) With reference to Orchid plants, consider the following statements:

1. These plants are capable of growing in polluted air.
2. The highest number of orchid species is recorded from Arunachal Pradesh.
3. These are listed in Appendix I of Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES).

Which of the statements given above is/are correct?

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

Answer: B

Explanation –

Statements 1 and 3 are incorrect. Orchids are natural gauges of air quality because they don't grow in polluted air. The entire orchid family is listed under appendix II of CITES and hence any trade of wild orchid is banned globally.

Statement 2 is correct. The highest number of orchid species is recorded from Arunachal Pradesh.

Source: [ForumIAS](https://forumias.com)

Q.2) Consider the following statements:

1. The Mesolithic period existed prior to the Paleolithic period.
2. Mesolithic people made bow and arrow for hunting.
3. The Mesolithic people used non-microlithic tools made of flakes and blades.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: B

Explanation –

Statement 1 is incorrect. The Mesolithic period also called the Middle Stone Age existed between the Paleolithic (Old Stone Age), and the Neolithic (New Stone Age).

Statements 2 and 3 are correct. Mesolithic people made bow and arrow for hunting. The Mesolithic people also used non-microlithic tools made of flakes and blades.

Source: [ForumIAS](https://forumias.com)

10 PM Compilation for the Month of June 2023

Q.3) With reference to “LEED Certification” consider the following statements:

1. The certification has been developed by United States Green Building Council (USGBC).
2. The certification is widely used in development of energy efficient bulbs.
3. LEED Zero recognises projects that have reached a net-zero or net-positive status in the categories of carbon, energy, water, or waste.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are correct. LEED (Leadership in Energy and Environmental Design) certification has been developed by United States Green Building Council (USGBC). LEED Zero recognises projects that have reached a net-zero or net-positive status in the categories of carbon, energy, water, or waste.

Statement 2 is incorrect. LEED Certification is the world’s most widely used green building rating system in the world.

Source: [ForumIAS](#)

Q.4) Which of the following statement is incorrect regarding the Brahmani Natural Arch?

- a) It is located in Narsapur Forest in the Andhra Pradesh.
- b) It is composed of ferruginous sandstone from the Upper Kamthi Formation.
- c) It dates back to the lower to middle Jurassic age.
- d) It showcases primary sedimentary structures and is believed to have formed due to fault activities and sub-aerial weathering.

Answer: A

Explanation – Brahmani Natural Arch is located at Kanika range of Sundargarh forest division of Odisha.

Source: [ForumIAS](#)

Q.5) With reference to the National Working Plan Code 2023, consider the following statements:

1. The code aims at monitoring the budgetary allocations and providing guidelines in implementing budgetary promises.
2. The 2023 code has prescribed state forest departments to engage in continuous data collection and its updation in a centralized database.

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

Answer: B

Explanation –

10 PM Compilation for the Month of June 2023

Statement 1 is incorrect. National Working Plan Code is the main instrument through which the scientific management of Forests is being achieved in India. The code was first adopted in 2004 with a subsequent amendment in 2014.

Statement 2 is correct. The 2023 code has prescribed state forest departments to engage in continuous data collection and its updation in a centralized database.

Source: [ForumIAS](#)

Q.6) Consider the following statements:

1. Earth's geographic north and south poles are where its axis intersects the surface.
2. The Earth's poles are not fixed.
3. The rotation of the Earth is unaffected by the movement of water worldwide.

Which of the statements given above is/are correct?

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

Answer: B

Explanation –

Statement 1 and 2 are correct. Earth's geographic north and south poles are where its axis intersects the surface. These poles are not fixed. The poles fluctuate due to variations in the Earth's mass distribution.

Statement 3 is incorrect. The movement of water around the world influences the Earth's rotation.

Source: [ForumIAS](#)

Q.7) With reference to “Remittances” consider the following statements:

1. For India, remittances represent a greater source of external finance than the Foreign Direct Investment (FDI).
2. Remittances play a significant role in poverty reduction.
3. The low transaction cost of receiving remittances may lead to lower spending.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statements 1 and 2 are correct. Remittances, for India, are a source of external finance larger in size than FDI, portfolio or development assistance flows. Remittances play a significant role in poverty reduction and improve health and educational outcomes of the recipient households.

Statement 3 is incorrect. The low transaction cost of receiving remittances may lead to higher spending because people then will get more money in their hands.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.8) With reference to Copernicus programme, which of the following statement is correct?

- a) The programme aims at encouraging participation in literature works.
- b) The programme has been designed for the Economically Weaker Sections (EWS) to get enrollment in higher education through scholarships.
- c) It is a student exchange programme for Indian and French students to acquire and exchange historical knowledge.
- d) The program's goal is to offer accurate, timely, and freely available information to help enhance environmental management and protect civil security.

Answer: D

Explanation – Copernicus programme provides accurate, timely and easily accessible information to improve the management of the environment, understand and mitigate the effects of climate change and ensure civil security. This initiative is headed by the European Commission (EC) in partnership with the European Space Agency (ESA).

Source: [ForumIAS](#)

Q.9) Consider the following statements:

- 1. The tilt of the Earth' axis remains constant throughout the year.
- 2. The summer solstice is the time when the sun is directly above the Tropic of Capricorn.
- 3. The summer solstice leads to an increase in the process of photosynthesis.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: B

Explanation –

Statement 1 and 3 are correct. The Earth's axis is inclined approximately 23.5 degrees relative to its orbital plane around the sun. This tilt remains constant throughout the year, causing changing seasons as Earth orbits the sun. The summer solstice leads to an increase in the process of photosynthesis because there is an increase in solar energy on the day since the Sun is directly overhead.

Statement 2 is incorrect. The summer solstice is the time when the sun is directly above the Tropic of Cancer.

Source: [India Today](#)

Q.10) The Tropic of Cancer passes through

- a) Niger, Libya, Egypt, Saudi Arabia
- b) Australia, Brazil, Paraguay, Botswana
- c) Chile, Namibia, South Africa, Madagascar
- d) Canada, Greenland, Iceland, Norway

Answer: A

Explanation – The Tropic of Cancer passes through Algeria, Niger, Libya, Egypt, Saudi Arabia, United Arab Emirates, Oman, India, Bangladesh, Myanmar, China, Taiwan, Mexico, Bahamas, Mauritania and Mali.

Source: [India Today](#)

PRELIMS

Q.1) With reference to the “Heat Strokes” consider the following statements:

1. A heat stroke happens when the ambient temperature is too low and the body is continuously sweating.
2. When the humidity levels are high, perceived temperatures are higher than the actual reading for ambient temperature.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. A heat stroke happens when the ambient temperature is so high that the body is unable to sweat to regulate the core temperature.

Statement 2 is correct. When the humidity levels are high, perceived temperatures are higher than the actual reading for ambient temperature. High humidity levels also mean that sweat does not evaporate effectively to keep the body cool.

Source: [ForumIAS](#)

Q.2) Which of the following was the objective of the Raghavan Committee?

- a) To study the need for a competition law and policy.
- b) To bring technical changes in the generation of atomic energy.
- c) To come up with the Pension Scheme for Unorganized Sector.
- d) Improvement in the Customer Service at Primary (Urban) Cooperative Banks.

Answer: A

Explanation – Raghavan Committee was set up by the government of India to study the need for a competition law and policy. Competition Commission of India (CCI) was set up on the recommendation of this committee.

Source: [ForumIAS](#)

Q.3) Consider the following statements:

1. The Hindu Kush and Himalayan Range (HKH) is known as the earth’s “second pole”.
2. The western end of the Hindu Kush in the south merges with the Karakoram Range.
3. Terich Mir is the highest mountain of the Hindu Kush range.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: A

Explanation –

10 PM Compilation for the Month of June 2023

Statements 1 and 2 are incorrect. The Hindu Kush and Himalayan Range (HKH) is famously known as the earth's "third pole" as it forms the largest area of permanent ice cover outside of the North and South Poles. The eastern end of the Hindu Kush in the north merges with the Karakoram Range.

Statement 3 is correct. Terich Mir is the highest mountain of the Hindu Kush range, and the highest mountain in the world outside of the Himalayas–Karakoram range. It is located in the Chitral District of Khyber Pakhtunkhwa, Pakistan.

Source: [ForumIAS](#)

Q.4) Consider the following statements:

1. Global Stocktake (GST) is an exercise aimed at assessing the progress in the fight against climate change and deciding ways and means to enhance global action to bridge the adequacy gap.
2. Mitigation Work Programme (MWP) is a temporary emergency exercise focused only on increasing emission cuts.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. Global Stocktake (GST) is an exercise aimed at assessing the progress in the fight against climate change and deciding ways and means to enhance global action to bridge the adequacy gap. Mitigation Work Programme (MWP) is a temporary emergency exercise focused only on increasing emission cuts. These two were recently discussed in the Bonn Climate Change Conference, held recently.

Source: [ForumIAS](#)

Q.5) With reference to GEMCOVAC-OM vaccine, consider the following statements:

1. It is India's first indigenous mRNA vaccine for the Delta variant of the novel coronavirus.
2. It has been developed by Gennova Biopharmaceuticals Ltd.
3. It is a thermo-stable vaccine, which does not require ultra-cold chain infrastructure used for other approved mRNA-based vaccines.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statement 1 is incorrect. GEMCOVAC-OM is India's first indigenous mRNA vaccine for the Omicron variant of the novel coronavirus.

10 PM Compilation for the Month of June 2023

Statements 2 and 3 are correct. The vaccine has been developed by Gennova Biopharmaceuticals Ltd. It is a thermo-stable vaccine, which does not require ultra-cold chain infrastructure used for other approved mRNA-based vaccines.

Source: [ForumIAS](#)

Q.6) With reference to the “Alligator Gar” consider the following statements:

1. It is one of the biggest freshwater fish in North America.
2. It is categorized as Least Concerns in the IUCN Red Data List.
3. They have sharp teeth which help them to bite their prey.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statements 1 and 2 are correct. Alligator Gar is a close relative of the bowfin species. It is a ray-finned euryhaline fish and is one of the biggest freshwater fish in North America and the largest species in the ‘gar’ family. It is categorized as Least Concerns in the IUCN Red Data List.

Statement 3 is incorrect. They do not have the ability to bite off pieces of flesh, so they swallow their prey.

Source: [ForumIAS](#)

Q.7) Consider the following statements:

1. Precision Fermentation methods use live bacterial culture to make curd from milk.
2. Precision fermentation uses microbial hosts as “cell factories” for producing specific functional ingredients.
3. Precision fermentation is widely used to produce insulin in labs.
4. Food ingredients made using precision fermentation are cheaper.

How many of the above statements are correct?

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

Answer: B

Explanation –

Statements 1 and 4 are incorrect. Traditional fermentation methods use live bacterial culture to make curd from milk. But precision fermentation teaches a microbe how to make a protein by using a genetic code—also known as the recombinant DNA technology. Currently, food ingredients made using precision fermentation are expensive.

Statements 2 and 3 are correct. Precision fermentation uses microbial hosts as “cell factories” for producing specific functional ingredients. Precision fermentation is widely used to produce insulin in labs.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.8) Consider the following statements:

1. The US is the largest Foreign Portfolio Investors (FPI) in India.
2. India imports more from the US than it exports.
3. India's imports from the US include crude, petroleum products, coal.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are correct. The US is the largest FPI investor in India, accounting for around Rs 38 of every Rs 100 worth of FPI holdings. India's imports from the US are largely made up of a few categories, including crude, petroleum products, coal and others. The top five accounted for around 49 per cent of imports in 2022-23.

Statement 2 is incorrect. India exports more to the US than it imports. The exports in 2022-23 were \$79 billion, compared to imports of \$50 billion.

Source: [ForumIAS](#)

Q.9) Consider the following statements:

1. Transgenic crops are plants that have had their DNA altered using genetic engineering techniques.
2. Bt maize, a transgenic variety of maize, is widely grown in India.
3. Transgenic crops are developed to reduce the use of chemical pesticides.

Which of the statements given above is/are correct?

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

Answer: B

Explanation –

Statements 1 and 3 are correct. Transgenic crops are plants that have had their DNA altered using genetic engineering techniques. Transgenic crops like these are developed to improve crop yield, enhance nutritional value, reduce the use of chemical pesticides, and increase resistance to environmental stressors like drought or frost.

Statement 2 is incorrect. GE maize is undertrial in India while Bt cotton is widely grown in India.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.10) Consider the following:

1. Blueberries
2. Soya beans
3. Spinach
4. Refined Grains
5. Whole grains
6. Nuts and seeds

Which of the above are categorized as superfoods?

- a) 1, 2, 4 and 6 only
- b) 1, 2, 3, 5 and 6 only
- c) 1, 2, 3, 4, and 5 only
- d) 2, 3, 4 and 5 only

Answer: B

Explanation – Superfoods are nutrient-dense foods that are high in vitamins, minerals, and antioxidants that are good for one's health. They are often plant-based; however, some are also dairy and fish-based. Refined grains, such as white bread, white rice, and refined pasta, undergo processing that removes the bran and germ, stripping them of many beneficial nutrients and fiber.

Source: [DNA](#)

10 PM Compilation for the Month of June 2023

PRELIMS

Q.1) With reference to the G20's Common Framework for Debt Treatments, consider the following statements:

1. Under the framework, rich and developing countries are provided a platform to discuss the need and negotiate the amount required for climate financing.
2. The International Monetary Fund (IMF) and the World Bank play crucial roles in supporting the implementation of the Common Framework.

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

Answer: B

Explanation –

Statement 1 is incorrect. The G20 Common Framework provides a platform for creditor countries, including both official bilateral creditors and private sector creditors, to coordinate and collaborate on debt relief efforts. Its primary objective is to facilitate the implementation of timely, orderly, and sustainable debt treatments for eligible countries.

Statement 2 is correct. The International Monetary Fund (IMF) and the World Bank play crucial roles in supporting the implementation of the G20 Common Framework.

Source: [NDTV](#)

Q.2) Consider the following statements:

1. Extreme heat is defined from a baseline of the average temperature in any one location, which varies widely across the world.
2. Warm air holds less moisture than the cold air.
3. Carbon dioxide, methane and nitrous oxide play a crucial role in stopping heat from being reflected or lost from our atmosphere.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are correct. Extreme heat is defined from a baseline of the average temperature in any one location, which varies widely across the world. Carbon dioxide, methane and nitrous oxide play a crucial role in stopping heat from being reflected or lost from our atmosphere.

Statement 2 is incorrect. Warm air holds more moisture, which produces stronger and more frequent storms.

Source: [NDTV](#)

10 PM Compilation for the Month of June 2023

Q.3) Consider the following statements:

1. During the summer solstice, the rays of the sun strike the Southern hemisphere at a more direct angle, resulting in prolonged daylight.
2. One of the effects of summer solstice is the decrease in the solar energy.
3. In Russia, summer solstice marks the White Night celebration.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: A

Explanation –

Statements 1 and 2 are incorrect. During the summer solstice, the rays of the sun strike the Northern hemisphere at a more direct angle, resulting in prolonged daylight. One of the major effects is an increase in solar energy during the day since the sun is directly overhead.

Statement 3 is correct. The summer solstice has been observed and commemorated by several cultures. In Russia, summer solstice marks the White Night celebration.

Source: [NDTV](#)

Q.4) Consider the following statements:

1. India has emerged as a key advocate for the Global South, articulating the concerns and aspirations of developing nations on the international stage.
2. The cultural respect for India has increased globally.
3. India is recognised as a collaborator in the global economy.

Which of the statements given above are correct?

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

Answer: D

Explanation –

Statements 1, 2 and 3 are correct. India has emerged as a key advocate for the Global South, articulating the concerns and aspirations of developing nations on the international stage. There's also increased cultural respect for India globally due to initiatives like the International Day of Yoga, the global popularity of Ayurveda, and other aspects of Indian culture. India is recognised as a collaborator in the global economy. This is reflected in increased Foreign Direct Investment, rising exports, and collaboration in high-tech industries like semiconductors.

Source: [NDTV](#)

10 PM Compilation for the Month of June 2023

Q.5) With reference to Aditya L-1 mission, consider the following statements:

1. The mission is aimed at studying the tidal effects of moon on the earth and its associated phenomenon.
2. Among its seven payloads, four will directly view the Sun, while the remaining three will carry out in-situ studies of particles and fields at the Lagrange point L1.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. The Aditya L-1 mission is India's maiden mission to observe the Sun. It will be launched nearly 1.5 million kilometers away from Earth to Lagrange Point 1 (L1), a stable point where the gravitational forces between the Earth and the Sun, as well as the centrifugal force of the rotating system, balance out.

Statement 2 is correct. Among the seven payloads, four will directly view the Sun, while the remaining three will carry out in-situ studies of particles and fields at the Lagrange point L1.

Source: [India Today](#)

Q.6) With reference to the “Global Gender Gap Report, 2023” consider the following statements:

1. Under the report, Iceland is also the only country with a score which is above 90%.
2. As per the report, there has been a significant increase in the gender gap globally.
3. As per the report, the gender gap in India has decreased from the previous year.

Which of the statements given above is/are correct?

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

Answer: D

Explanation –

Statements 1 and 3 are correct. Iceland topped the ranking for the 14th consecutive year with 91.2% of its overall gender gap closed. It is also the only country with a score which is above 90%. India was ranked 127 among 146 countries in gender parity — up eight places from 2022. India was ranked 135 in 2022. India had closed 64.3% of the overall gender gap.

Statement 2 is incorrect. The gender gap globally decreased by 0.3% compared to the previous year.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.7) Consider the following statements:

1. Submersibles are able to be fully submerged into water and cruise using their own power supply and air renewal system.
2. Submersibles have enough power to leave port and come back to port under its own power while submarine has very limited power reserves so it needs a mother ship that can launch it and recover it.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. Submersibles are small, limited-range watercraft designed for a set mission, that are built with characteristics that allow them to operate in a specific environment. These vessels are typically able to be fully submerged into water and cruise using their own power supply and air renewal system.

Statement 2 is incorrect. Submarines have enough power to leave port and come back to port under its own power while submersibles have very limited power reserves so it needs a mother ship that can launch it and recover it.

Source: [ForumIAS](#)

Q.8) With reference to the Betelgeuse star, consider the following statements:

1. It is a red supergiant star with a distinctive orange-red hue.
2. It can be easily spotted in the constellation Orion.
3. In Indian astronomy, Betelgeuse is called Punarvasu.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statements 1 and 2 are correct. Betelgeuse star is a red supergiant star with a distinctive orange-red hue. It can be easily spotted in the constellation Orion.

Statement 3 is incorrect. In Indian astronomy, Betelgeuse is called 'Thiruvathirai' or 'Ardra'.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.9) With reference to the Rainbow Diet Campaign, consider the following statements:

1. The campaign has been launched by ICAR-Central Tuber Crops Research Institute (CTCRI).
2. The primary objective of the campaign is to raise awareness about the diverse cultures of various indigenous tribes within the country and foster positive relationships between the general population and tribal communities.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. Rainbow Diet Campaign has been launched by ICAR-Central Tuber Crops Research Institute (CTCRI).

Statement 2 is incorrect. The aim of the campaign is to popularize biofortified tubers and value-added products made from them among the tribal communities for tackling malnutrition and ensuring a balanced diet.

Source: [ForumIAS](#)

Q.10) With reference to Solar Ultraviolet Imaging Telescope (SUIT), consider the following statements:

1. It will study the Sun's ultraviolet (UV) emissions and capture high-resolution images of the Sun's atmosphere in various UV wavelengths.
2. The telescope is set to be integrated with the ADITYA-L1 mission.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. SUIT will study the Sun's ultraviolet (UV) emissions and capture high-resolution images of the Sun's atmosphere in various UV wavelengths. The telescope is set to be integrated with the ADITYA-L1 mission.

Source: [ForumIAS](#)

PRELIMS

Q.1) New Collective Quantified Goal (NCQG) was seen in the news recently, is associated with –

- a) Climate financing
- b) China Plus One strategy
- c) Space exploration
- d) Free Trade Agreements

Answer: A

Explanation – NCQG was established in the 2015 Paris Climate Agreement. The intent of the NCQG is at the bare minimum for developed nations to provide developing countries with the necessary funding to address adaptation and mitigation gaps.

Source: [ForumIAS](#)

Q.2) Consider the following statements:

- 1. Under the Indian Constitution, public libraries are a state subject.
- 2. The National Mission on Libraries was launched by the Ministry of Tribal Affairs.
- 3. No reliable data exist for functioning libraries at the national, state and district level.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are correct. Under the Indian Constitution, public libraries are a state subject. There is conflicting data on the state of the Indian public library system in India and no reliable data exist for functioning libraries at the national, state and district level.

Statement 2 is incorrect. The National Mission on Libraries was launched by the Ministry of Culture in 2013.

Source: [ForumIAS](#)

Q.3) With reference to the Innovation for Defence Excellence (iDEX), consider the following statements:

- 1. It is funded and managed by the Defence Innovation Organization (DIO).
- 2. Its goal is to formulate a strategy for importing defense equipment based on the required technology.
- 3. It has showcased the power of collaborative teamwork among diverse organizations within the Ministry of Defence.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: B

Explanation –

10 PM Compilation for the Month of June 2023

Statements 1 and 3 are correct. iDEX is funded and managed by the Defence Innovation Organization (DIO). It was launched by the Government of India in 2018. It has showcased the power of collaborative teamwork among diverse organizations within the Ministry of Defence. Statement 2 is incorrect. iDEX primarily aims at creation of an ecosystem to foster innovation and technology development in Defence and Aerospace by engaging Industries including MSMEs, start-ups among others. Thus, reducing the dependence on defence imports.

Source: [ForumIAS](#)

Q.4) With reference to India-US Defense Acceleration Ecosystem (INDUS-X) consider the following statements:

1. It aims to foster collaboration and innovation between Indian and US defence startups, promoting technological advancements in the sector.
2. India's Innovations for Defense Excellence (iDEX) and the Office of the Secretary of Defense (OSD) are leading INDUS-X activities.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. INDUS-X aims to foster collaboration and innovation between Indian and US defence startups, promoting technological advancements in the sector. India's Innovations for Defense Excellence (iDEX) and the Office of the Secretary of Defense (OSD) are leading INDUS-X activities.

Source: [ForumIAS](#)

Q.5) Consider the following statements with respect to Supercapacitor:

1. A supercapacitor is a device that stores kinetic energy using magnetic fields.
2. It differs from traditional capacitors in that it has a much higher capacitance, allowing it to store a larger amount of energy.
3. They are used in power-smoothing, pitch-control, start-stop, regenerative-braking, smart-grid, active heave compensation, etc.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. A supercapacitor is an electrochemical charge storage device with a fast charging/discharging cycle, high power density and a longer life cycle.

Statements 2 and 3 are correct. Supercapacitor differs from traditional capacitors in that it has a much higher capacitance, allowing it to store a larger amount of energy. They are used in

10 PM Compilation for the Month of June 2023

power-smoothing, pitch-control, start-stop, regenerative-braking, smart-grid, active heave compensation, etc.

Source: [ForumIAS](#)

Q.6) With reference to “Seaweeds” consider the following statements:

1. Seaweed is a type of fish that can be found in freshwater lakes and rivers.
2. They are rich in vitamins and minerals and are consumed as food in various parts of the world.
3. Green seaweed has a high amount of a particular type of cellulose in its cell wall.
4. Phaeophyta, a classification of seaweeds, holds more potential components in the cell wall than the others.

How many of the above statements are correct?

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

Answer: B

Explanation –

Statements 1 and 4 are incorrect. Seaweed is the name given to the many species of marine algae and plants. These species grow in water bodies such as rivers, seas and oceans. Seaweeds are classified as *chlorophyta* (green), *rhodophyta* (red) and *phaeophyta* (brown) on the basis of their pigmentation. Among them, chlorophyta holds more potential components in the cell wall. Such as carbohydrates, lipids, proteins and bioactive compounds.

Statements 2 and 3 are correct. Seaweeds are rich in vitamins and minerals and are consumed as food in various parts of the world. Green seaweed has a high amount of a particular type of cellulose in its cell wall.

Source: [ForumIAS](#)

Q.7) With reference to Jeera spice (Cumin), consider the following statements:

1. India accounts for around 70% of the world’s production of Cumin.
2. Andhra Pradesh is the leading producer of Cumin.
3. It grows well in humid and in heavy rainfall climatic conditions.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: A

Explanation –

Statement 1 is correct. India accounts for around 70% of the world’s production of Jeera.

Statements 2 and 3 are incorrect. Rajasthan and Gujarat total account for 99% of cumin production of India. Jeera is an extremely weather-sensitive crop. It requires a moderately cool and dry climate.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.8) With reference to the Textile Effluent, consider the following statements:

1. It refers to the pollution generated in the air during the manufacturing of the renewable or green energy products.
2. Textile effluent is characterized by its intense color, high chemical oxygen demand (COD), biological oxygen demand (BOD), and suspended solids.
3. These effluents have the capacity to deplete the oxygen level in the air.

Which of the statements given above is/are correct?

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

Answer: B

Explanation –

Statements 1 and 3 are incorrect. Textile effluent refers to wastewater generated during various processes in the textile industry. It is the liquid discharge resulting from activities such as dyeing, printing, finishing, washing, and rinsing of textiles. These pollutants can be detrimental to aquatic life and ecosystems, as they can deplete oxygen levels in water, block sunlight penetration, and introduce toxic substances.

Statement 2 is correct. Textile effluent is characterized by its intense color, high chemical oxygen demand (COD), biological oxygen demand (BOD), and suspended solids.

Source: [ForumIAS](#)

Q.9) Consider the following statements with respect to Lab Grown Diamond:

1. In India, the share of lab-grown diamonds in the overall diamond business is presently 10 percent.
2. The lab grown diamond has the same chemical and physical properties as that of the natural diamond.
3. Lab Grown Diamonds have no nitrogen.
4. High-Pressure High Temperature (HPHT) method is more popular in India for creating lab grown diamonds.

Which of the statements given above are correct?

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

Answer: D

Explanation –

Statements 1 and 4 are incorrect. In India, the share of lab-grown diamonds in the overall diamond business is presently only 2-3 percent. Lab-grown diamonds can be created by two processes: 1) High-Pressure High Temperature (HPHT) and 2) Chemical Vapor Deposition (CVD). The CVD method is more popular in India while HPHT method is used in China.

Statements 2 and 3 are correct. Both natural and lab-grown diamonds have the same chemical composition, which is pure carbon arranged in a crystal lattice structure. This means that they have the same physical and chemical properties. Natural Diamonds have tiny amounts of nitrogen, while Lab Grown Diamonds have no nitrogen.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.10) With reference to the Medicines Patent Pool (MPP) consider the following statements:

1. It is a United Nations-backed group working towards increasing access to, and facilitating the development of, life-saving medicines for low- and middle-income countries.
2. MPP partners with civil society, governments, international organisations, industry, patient groups, and other stakeholders, to prioritise and license needed medicines and pool intellectual property to encourage generic manufacture and the development of new formulations.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. MPP is a United Nations-backed group working towards increasing access to, and facilitating the development of, life-saving medicines for low- and middle-income countries. partners with civil society, governments, international organisations, industry, patient groups, and other stakeholders, to prioritise and license needed medicines and pool intellectual property to encourage generic manufacture and the development of new formulations. It partners with civil society, governments, international organisations, industry, patient groups, and other stakeholders, to prioritise and license needed medicines and pool intellectual property to encourage generic manufacture and the development of new formulations.

Source: [ForumIAS](#)

PRELIMS

Q.1) With reference to Global Liveability Index 2023, consider the following statements:

1. The index has been released by the World Economic Forum (WEF).
2. Some cities in the Western Europe have slipped in rankings of the index.
3. Out of the four metrics, technology is a metric on which the index ranks the cities.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are incorrect. Economist Intelligence Unit (EIU) has released the Global Liveability Index 2023. The index ranked the cities based on these five metrics: healthcare, culture, environment, education, and stability.

Statement 2 is correct. Some cities in Western Europe have slipped in rankings due to increased instances of workers' strikes failing to "match gains" made by cities in Asia and the Middle East.

Source: [ForumIAS](#)

Q.2) With reference to Nehru-Liaquat Pact, consider the following statements:

1. It is also known as Delhi Pact.
2. Under the terms of the pact, a mutual understanding was reached towards the development of atomic arsenals and to avoid accidental and unauthorised operational use of nuclear weapons.
3. Both countries, under the agreement, agreed not to violate the rules of the pact and to make all efforts to reinforce it.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are correct. The Nehru-Liaquat Pact is also known as the Delhi Pact. Under the agreement, both countries agreed not to violate the rules of the pact and to make all efforts to reinforce it.

Statement 2 is incorrect. It was a bilateral agreement signed between India and Pakistan in order to provide a framework for the treatment of minorities in the two countries.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.3) With reference to Joha Rice, consider the following statements:

1. It is an aromatic rice cultivated in the Northeastern region of India.
2. It has got a Geographical Indication (GI) tag.
3. The characteristic scent of Joha rice is similar to the basmati rice.
4. It has two unsaturated fatty acid.

How many of the above statements are correct?

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

Answer: C

Explanation –

Statements 1, 2 and 4 are correct. Joha Rice is an aromatic rice cultivated in the Northeastern region of India. It is an indigenous rice class of Assam and is a special class of winter rice in cultivation over centuries. It has got a Geographical Indication (GI) tag. Joha rice variety has two unsaturated fatty acids, linoleic acid (omega-6) and linolenic (omega-3) acid. These essential fatty acids (which humans cannot produce) can help maintain various physiological conditions.

Statement 3 is incorrect. The characteristic scent of Joha rice is classified as absolutely different from the famous basmati rice.

Source: [ForumIAS](#)

Q.4) The Union Ministry of Power has released a report titled National Energy Data: Survey and Analysis 2021-22. With reference to this report, consider the following statements:

1. India has crossed the threshold limit of emitting the total equivalent carbon dioxide (CO₂).
2. As per the report, limited data exists on non-commercial energy sources.
3. The report highlighted that India has been able to conserve a significant amount of electricity.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. As per the report, there has been total equivalent reduction in CO₂ emissions in India for the period 2021-22. The reduction is around 280 million tonnes annually.

Statements 2 and 3 are correct. As per the report, there exists limited data on non-commercial energy sources such as biomass. As per the report, India conserved 249 billion units (BUs) of electricity to save Rs 1.60 lakh crore in bills for the 2021-22 financial year.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.5) With reference to the amendments made in the Electricity (Rights of Consumers) Rules, 2020, consider the following statements:

1. Under the Time of Day (ToD) tariff, the price for electricity will remain same throughout the day.
2. As per the amendment in the metering provision, after the installation of a smart meter, consumers will not face any penalties for the maximum demand recorded by the smart meter prior to the installation date.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. Under the Time of Day (ToD) Tariff, the price for electricity will vary according to the time of day. Tariffs during solar hours (duration of eight hours in a day as specified by the State Electricity Regulatory Commission) of the day shall be 10%-20% less than the normal tariff, while the tariff during peak hours will be 10 to 20% higher.

Statement 2 is correct. As per the amendment in the metering provision, after the installation of a smart meter, consumers will not face any penalties for the maximum demand recorded by the smart meter prior to the installation date.

Source: [ForumIAS](#)

Q.6) With reference to Grievance Redressal Assessment and Index (GRAI) 2022, consider the following statements:

1. The objective of index is to present an organisation-wise comparative picture and provide valuable insights about strengths and areas of improvement regarding the grievance redressal mechanism.
2. As per the index for the first time, the average disposal time of public grievances by central ministries and departments has come down.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. The objective of index is to present an organisation-wise comparative picture and provide valuable insights about strengths and areas of improvement regarding the grievance redressal mechanism. As per the index for the first time, the average disposal time of public grievances by central ministries and departments has come down.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.7) Which of the following country has launched the Digital Silk Road (DSR) initiative?

- a) Myanmar
- b) China
- c) India
- d) Malaysia

Answer: B

Explanation – Digital Silk Road (DSR) initiative has been launched by China in 2015. The initiative aims at expanding information exchanges and digital cooperation with the emerging markets and developing economies.

Source: [ORF](#)

Q.8) Consider the following statements:

1. There is no explicit definition or categorization of cryptocurrencies under India's existing regulatory framework.
2. While securities such as stocks or bonds are focused on ownership or debt in companies, commodities involve trading physical goods and they are influenced by supply-demand dynamics, geopolitical events, and storage costs.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. There is no explicit definition or categorization of cryptocurrencies under India's existing regulatory framework i.e., crypto currencies are neither categorized as commodity or securities. While securities such as stocks or bonds are focused on ownership or debt in companies, commodities involve trading physical goods and they are influenced by supply-demand dynamics, geopolitical events, and storage costs.

Source – [ORF](#)

Q.9) With reference to “Fetus in fetu” consider the following statements:

1. It is an extremely rare medical condition characterized by the presence of a malformed, partially developed fetus within the body of its twin.
2. It occurs during last stage of fetal development.
3. It often goes undetected until later in life when symptoms such as abdominal mass or pain arise.

Which of the statements given above are correct?

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

Answer: C

Explanation –

10 PM Compilation for the Month of June 2023

Statements 1 and 3 are correct. Fetus in fetu is an extremely rare medical condition characterized by the presence of a malformed, partially developed fetus within the body of its twin. It often goes undetected until later in life when symptoms such as abdominal mass or pain arise.

Statement 2 is incorrect. It occurs during early fetal development when one twin engulfs and incorporates the other twin into its own body.

Source: [DNA](#)

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

1. It is referred to as gross income, which includes earnings derived from our work, including salaries, wages, bonuses, commissions, and other supplementary sources of income.
2. A decline in disposable income has the potential to decrease consumer spending, which could hinder the growth of the economy and weaken overall stability.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. For an individual, gross income is your total pay, which is the amount of money you've earned, before taxes and other items are deducted. From the gross income, subtract the income taxes plus other necessary expenditures. The amount left represents the disposable income, i.e., the surplus amount left after all necessary expenditures (rent, transportation costs, etc.)

Statement 2 is correct. A decline in disposable income has the potential to decrease consumer spending, which could hinder the growth of the economy and weaken overall stability.

Source: [DNA](#)

10 PM Compilation for the Month of June 2023

PRELIMS

Q.1) With reference to PM Kisan Mobile App, consider the following statements:

1. It has been launched under the Rashtriya Krishi Vikas Yojana (RKVY).
2. The app enables beneficiary farmers under PM KISAN to complete their e-KYC process by using a one-time password or fingerprints.
3. The app will also provide very important information related to the scheme and PM Kisan accounts to the farmers.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: A

Explanation –

Statements 1 and 2 are incorrect. PM Kisan Mobile App has been launched under the “Pradhan Mantri Kisan Samman Nidhi”. The app enables beneficiary farmers under PM KISAN to complete their e-KYC process by just scanning their faces on mobile phones instead of using a one-time password or fingerprints.

Statement 3 is correct. PM Kisan Mobile App will also provide very important information related to the scheme and PM Kisan accounts to the farmers.

Source: [ForumIAS](#)

Q.2) With reference to Regulatory sandbox, consider the following statements:

1. A regulatory sandbox is a physical enclosure where regulators study and observe the behavior of sand particles in different weather conditions.
2. Users of a sandbox can test the product’s viability without the need for a larger and more expensive roll-out.

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

Answer: B

Explanation –

Statement 1 is incorrect. A Regulatory Sandbox is a controlled environment or framework established by regulatory authorities to allow innovative businesses, particularly in the financial and technology sectors, to test their products, services, or business models in a live market setting.

Statement 2 is correct. Users of a sandbox can test the product’s viability without the need for a larger and more expensive roll-out. If the product appears to have the potential to be successful, the product might then be authorized and brought to the broader market more quickly.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.3) With reference to “Anxiety Disorders” consider the following statements:

1. Anxiety disorders are a cluster of mental disorders characterized by significant and uncontrollable feelings of anxiety and fear.
2. Social anxiety disorder is characterized by fear or anxiety concerning separation from those to whom an individual is attached.
3. Treatment decisions for anxiety disorders are based on the severity, persistence, and impact of symptoms, as well as patient preferences.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are correct. Anxiety disorders are a cluster of mental disorders characterized by significant and uncontrollable feelings of anxiety and fear. Treatment decisions are based on the severity, persistence, and impact of symptoms, as well as patient preferences.

Statement 2 is incorrect. Social anxiety disorder is characterized by the intense, persistent fear of being scrutinized or evaluated negatively by others.

Source: [ForumIAS](#)

Q.4) Consider the following statements:

1. The Vedas are categorized under smriti of the Hindu sacred texts.
2. Upanishads are also known as the Vedanta.
3. Advaita Vedanta philosophy emphasizes on the illusory nature of the transient phenomenal world around us, and puts forth the idea that the brahman is the only and ultimate real.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: B

Explanation –

Statement 1 is incorrect. Hindu scriptures are broadly classified in two categories: shruti (“the revealed”) and smriti (“the remembered”). The first category is considered to be the most authoritative and consists of the four Vedas (Rig, Yajur, Sama and Atharva) and accompanying texts.

Statements 2 and 3 are correct. Upanishads are also known as the Vedanta as they signal the end of the total Veda. Advaita Vedanta philosophy emphasizes on the illusory nature of the transient phenomenal world around us, and puts forth the idea that the brahman is the only and ultimate real.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.5) Consider the following statements:

1. Nilotinib is used for the treatment of chronic myeloid leukaemia, a type of blood cancer.
2. Nilotinib is sold under the brand name Tasigna and marketed worldwide by Novartis.

Select the correct statements from the codes given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. The Medicines Patent Pool (MPP) has signed sub-licence agreements with India-based companies, along with an Indonesian firm, to make generic versions of the drug Nilotinib of the Switzerland-based pharmaceutical corporation Novartis. Nilotinib is used for the treatment of chronic myeloid leukaemia, a type of blood cancer. Nilotinib is sold under the brand name Tasigna and marketed worldwide by Novartis.

Source: [ForumIAS](#)

Q.6) With reference to Mineral Security Partnership (MSP) consider the following statements:

1. It is an initiative led by China, aimed at partnering with like-minded countries to enhance the supply chain of critical minerals.
2. It aims to catalyze investment from governments and the private sector to develop strategic opportunities.
3. Finland is one of the member countries of MSP.

Which of the statements given above is/are correct?

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

Answer: D

Explanation –

Statement 1 is incorrect. MSP is a US-led partnership to secure supply chains of critical minerals, aimed at reducing dependency on China.

Statements 2 and 3 are correct. MSP aims to catalyze investment from governments and the private sector to develop strategic opportunities. US, Australia, Canada, Finland, France, Germany, Japan, the Republic of Korea, Sweden, United Kingdom, and the European Commission are the members of MSP. Recently, India has also joined the initiative.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.7) Consider the following statements:

1. Thailand is the top producer of rare earth minerals globally, with an estimated 70 percent of the global production.
2. Lanthanum, a rare earth mineral, is available in India.
3. Under the India-Australia Critical Minerals Investment Partnership, India can take resources from Australia to meet the growing demand for critical minerals to help India's space and defence industries and the manufacture of electric vehicles.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. China is the top producer of rare earth minerals globally, with an estimated 70 percent of the global production. However, the US, Myanmar, Australia and Thailand are also the major producer of rare earth minerals.

Statement 2 and 3 are correct. Some REs available in India are lanthanum, cerium, neodymium, praseodymium, and samarium. Under the India-Australia Critical Minerals Investment Partnership, India can take resources from Australia to meet the growing demand for critical minerals to help India's space and defence industries and the manufacture of electric vehicles.

Source: [ForumIAS](#)

Q.8) With reference to Artemis Accord signed by India recently, consider the following statements:

1. It is an attempt by India to collaborate on the next generation of space technologies with the US.
2. It will also strengthen the bilateral relations between the US and Russia, as India being the part of the group, may act as a mediator between the two nations.
3. The agreement indicates a shift in the US stance towards India by allowing India access to crucial space technology.

Which of the statements given above is/are correct?

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

Answer: D

Explanation –

Statements 1 and 3 are correct. By signing the accord, India has aligned itself with the US-led space exploration program. This shows India's attempt to collaborate on the next generation of space technologies with the US. The agreement also indicates a shift in the US stance towards India by allowing India access to crucial space technology because in past, there has been instances where the US hindered India's access to crucial space technology.

10 PM Compilation for the Month of June 2023

Statement 2 is incorrect. Russia and China are not part of the group. Hence, there are no chances of mediating. Even if Russia would have been part of the group and India acted as a mediator, it wouldn't have strengthened the relation between the two nations.

Source: [ForumIAS](#)

Q.9) Consider the following statements:

1. India and Egypt share historical ties and have one of the oldest civilisational link.
2. Cotton forms a third of the India's export to the Egypt.
3. Egypt was the world's third-largest arms importer during 2015-19.

How many of the above statements are incorrect?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: A

Explanation –

Statements 1 and 3 are correct. Historically, India-Egypt ties are perhaps the oldest civilisational link. In 2750 BCE, the Pharaoh Sahure sent ships to peninsular India. By the middle of the second millennium BCE, Egyptian mummies were wrapped in muslin dyed with indigo, both from India. Egypt was the world's third-largest arms importer during 2015-19.

Statement 2 is incorrect. Egypt's largest imports are refined petroleum, wheat, cars, corn and pharmaceuticals. India has the potential to supply all these. However, petroleum related products formed a third of the India's export with Egypt for the year 2022-23.

Source: [ForumIAS](#)

PRELIMS

Q.1) Which of the following is the function of Unnat Takniki Pradarshan Kendra (UTPRERAK)?

- a) Its function is to demonstrate and showcase energy-efficient technologies in key industry sectors.
- b) Its function is to streamline the grievance redressal mechanism with the global standard.
- c) The primary function of this initiative revolves around the provision of comprehensive technical assistance to countries situated in the Global South, particularly in the realm of space-oriented technologies.
- d) Its fundamental objective is to harness the power of cutting-edge technology and leverage its potential in order to reinforce and boost the soft power of India.

Answer: A

Explanation – The Ministry of Power has set up UTPRERAK, a Centre of Excellence, dedicated to accelerating adoption of clean technologies by industries. Out of various other functions, one of its functions is to demonstrate and showcase energy-efficient technologies in key industry sectors.

Source: [ForumIAS](#)

Q.2) Consider the following statements:

- 1. Wagner Group is a private military company and a network of mercenaries in Russia.
- 2. Private military forces are legal in Russia.
- 3. The Wagner Group was heavily involved in Russia's capture of the city of Bakhmut, in eastern Ukraine.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are correct. Wagner Group is a private military company and a network of mercenaries in Russia. The Wagner Group was heavily involved in Russia's capture of the city of Bakhmut, in eastern Ukraine.

Statement 2 is incorrect. Although private military forces are illegal in Russia, the Wagner Group registered as a company in 2022.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.3) Consider the following statements:

1. Delimitation refers to the process of demarcation of the boundaries of parliamentary or assembly constituencies.
2. The Delimitation Commission in India is a high-power body whose orders have the force of law and cannot be called in question before any court.
3. The copies of the orders of the Delimitation Commission are laid before the House of the People and the State Legislative Assembly concerned, to make necessary modifications before finalizing the document.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statements 1 and 2 are correct. Delimitation refers to the process of demarcation of the boundaries of parliamentary or assembly constituencies. The Delimitation Commission in India is a high-power body whose orders have the force of law and cannot be called in question before any court.

Statement 3 is incorrect. The copies of the orders of the Delimitation Commission are laid before the House of the People and the State Legislative Assembly concerned, but no modifications are permissible therein by them.

Source: [ForumIAS](#)

Q.4) Which of the following is the objective of Nandi Portal?

- a) The primary objective of the portal is to create a platform that focuses on equipping women with job-oriented vocational skills.
- b) The objective of this portal is to establish a robust mechanism that serves as a dedicated platform for lodging complaints related to child sexual abuse, while also ensuring prompt notification to the nearest police station.
- c) It is a comprehensive and user-friendly online mechanism that enables exporters to seamlessly register their products and facilitates a streamlined and hassle-free experience throughout the documentation and exporting processes.
- d) It aims to revolutionize the process of approving and granting no-objection certificates (NOCs) for new veterinary drugs and vaccines through online mode.

Answer: D

Explanation – Union Minister of Fisheries, Animal Husbandry & Dairying has launched Nandi Portal. Nandi stands for NOC Approval for New Drug and Inoculation System. The portal aims to revolutionize the process of approving and granting no-objection certificates (NOCs) for new veterinary drugs and vaccines through online mode.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.5) With reference to Special Assistance to States for Capital Investment 2023-24 scheme, consider the following statements:

1. Under the scheme, special assistance is being provided to State Governments through the provision of secured loans and the reduction of interest amounts by half during the financial year 2023-24.
2. It aims at providing incentives to States for the scrapping of State Government vehicles and ambulances, waiver of liabilities on old vehicles, providing tax concessions to individuals for scrapping of old vehicles, and setting up of automated vehicle testing facilities.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. Under the scheme, special assistance is being provided to the State Governments in the form of a 50-year interest-free loan up to an overall sum of Rs. 1.3 lakh crore during the financial year 2023-24.

Statement 2 is correct. The scheme also aims at providing incentives to States for the scrapping of State Government vehicles and ambulances, waiver of liabilities on old vehicles, providing tax concessions to individuals for scrapping of old vehicles, and setting up of automated vehicle testing facilities.

Source: [ForumIAS](#)

Q.6) Consider the following statements:

1. PM-MITRA Scheme targets the unorganized sector and provides a pension benefit to individuals based on their contribution towards the scheme during their working years.
2. The Ministry of Rural Development will provide financial support in the form of Development Capital Support for the PM-MITRA Scheme.

Select the correct statement using the codes given below:

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

Answer: D

Explanation –

Statements 1 and 2 are incorrect. PM-MITRA Scheme aims to create a world-class industrial infrastructure that would attract cutting-edge technology and boost FDI and local investment in the textile sector. A Special Purpose Vehicle (SPV) owned by Centre and State Government jointly will be set up for each MITRA park which will oversee the implementation of the project. The Ministry of Textiles will provide financial support in the form of Development Capital Support upto Rs. 500 crore per park to the park SPV.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.7) Consider the following statements:

1. NATO Plus Five is a secret alliance consisting of non-NATO countries that work together to undermine NATO's goals and disrupt global security.
2. South Korea is one of the countries of NATO plus five.

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

Answer: B

Explanation –

Statement 1 is incorrect. NATO Plus is a grouping of the North Atlantic Treaty Organization (NATO) and five countries, which work toward boosting global defence cooperation.

Statement 2 is correct. Countries of NATO plus five are – Australia, New Zealand, Japan, Israel, and South Korea.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. The increased exposure of personal lives on the internet and enhanced user data sharing has led to the emergence of Technology Facilitated Gender Based Violence (TFGBV).
2. Technology-facilitated GBV includes behaviors such as stalking, bullying, sexual harassment, which are carried out utilizing computer and mobile technology.
3. The harm caused by technology-facilitated gender-based violence (TFGBV) may be smaller than that caused by physical assault.
4. TFGBV is a form of gender-based discrimination and a violation of human rights.

How many of the above statements are correct?

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

Answer: C

Explanation –

Statements 1, 2 and 4 are correct. The increased exposure of personal lives on the internet and enhanced user data sharing has led to the emergence of Technology Facilitated Gender Based Violence (TFGBV). TFGBV includes behaviors such as stalking, bullying, sexual harassment, which are carried out utilizing computer and mobile technology. TFGBV is a form of gender-based discrimination and a violation of human rights as it tends to harm women.

Statement 3 is incorrect. The impact of TFGBV can be as harmful as offline violence, with negative effects on the health and wellbeing of women and girls as well as serious economic, social and political impacts. TFGBV can restrict the online activity of women and girls and inhibit their access to the Internet.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.9) With reference to the Indian Economy, consider the following statements:

1. The base effect is a phenomenon where the current period's economic performance or data is influenced by the weather conditions during that period.
2. Food and Beverages have high weightage in the CPI basket than the milk and products.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. The base effect relates to inflation in the corresponding period of the previous year. If the inflation rate was too high in the corresponding period of the previous year, then even a smaller rise in the Price Index will give a low rate of inflation and vice-versa.

Statement 2 is correct. Weight of different products in CPI basket– Food and Beverages (54.18%), Cereals and product (12.35%), Milk and products (7.72%), Spices (3.11%), Education (3.46%), Oils and fats (4.21%).

Source: [ForumIAS](#)

Q.10) Consider the following statements:

1. The Right to Education Act, 2009 safeguards education rights for all children in India, including those with special needs like autism.
2. Samagra Shiksha scheme treats school education as a continuum and is in accordance with Sustainable Development Goal for Education (SDG-4).

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. The Right to Education Act 2009 safeguards education rights for all children in India, including those with special needs like autism. The Samagra Shiksha scheme is an integrated scheme for school education covering the entire gamut from pre-school to class XII. The scheme treats school education as a continuum and is in accordance with Sustainable Development Goal for Education (SDG-4).

Source: [LiveLaw](#)

PRELIMS

Q.1) Consider the following statements:

1. A large amount of rainfall in India is stored and utilized for various purposes.
2. Policymakers exaggerate the need for water conservation as it is not much needed because the Earth is predominantly covered in water, with approximately 71% of its surface consisting of oceans, seas, and other bodies of water.
3. Implementing strict regulations and limitations on water usage can hinder economic growth and development.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: A

Explanation –

Statements 1 and 2 are incorrect. India receives about 1,200 mm of rainfall each year, yet only 6% is effectively captured and stored. Despite the Earth is predominantly covered in water, there is still need for water conservation because there is limited availability of freshwater (about 2.5%), and the majority of that is inaccessible in the form of glaciers and polar ice caps, increase in population worldwide has put stress on freshwater resources, climate change is also affecting rainfall patterns and leading droughts, along with other reasons.

Statement 3 is correct. Industries such as agriculture, manufacturing, and energy production rely heavily on water, and imposing restrictions could negatively impact productivity and economic progress.

Source: [ForumIAS](#)

Q.2) Consider the following statements:

1. Cyclogenesis occurs when the Earth's magnetic field interacts with atmospheric conditions, leading to the gamma ray bursts.
2. National Cyclone Risk Mitigation Project (NCRMP) aims to enhance the preparedness and resilience of coastal communities.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. Cyclogenesis is the development or strengthening of cyclonic circulation in the atmosphere (a low-pressure area).

Statement 2 is correct. National Cyclone Risk Mitigation Project (NCRMP) aims to enhance the preparedness and resilience of coastal communities.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.3) Consider the following statements:

1. Direct Benefit Transfer (DBT) is a system implemented by governments to track and monitor the personal financial transactions of individuals, infringing upon their privacy and violating their rights to financial autonomy.
2. Under the Aadhaar-enabled Payment System (AePS), an individual can use their biometric credentials to carry out banking transactions in Aadhaar-linked bank accounts.
3. Direct Benefit Transfer (DBT) has been widely recognized as a transformative mechanism that aims to foster financial inclusion.

Which of the statements given above is/are correct?

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

Answer: D

Explanation –

Statement 1 is incorrect. Direct Benefit Transfer (DBT) is a system implemented by governments to provide welfare benefits and subsidies directly to beneficiaries, bypassing intermediaries and ensuring efficient and transparent delivery of funds.

Statement 2 and 3 are correct. Under the Aadhaar-enabled Payment System (AePS), an individual can use their biometric credentials to carry out banking transactions in Aadhaar-linked bank accounts. DBT encourages people, especially from rural and underprivileged backgrounds, to open bank accounts, thus promoting financial inclusion.

Source: [ForumIAS](#)

Q.4) With reference to Precision fermentation, consider the following statements:

1. It involves programming microorganisms, such as yeast, to produce specific proteins by inserting genetic instructions or DNA sequences into their cells.
2. It holds immense potential in minimizing the environmental footprint associated with the conventional methods of food production.

Select the correct statement using the codes given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. Precision fermentation is a cutting-edge technology that combines traditional fermentation methods with precision biology techniques. It involves programming microorganisms, such as yeast, to produce specific proteins by inserting genetic instructions or DNA sequences into their cells. Precision fermentation reduces the environmental impact of food production by minimizing deforestation, soil degradation, and methane emissions from livestock.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.5) Consider the following statements:

1. Yoga, as a philosophical system, revolves around the interpretation and understanding of the Vedas.
2. Shatkarmas, a variety of yogic practice, helps in developing the mind's inherent capabilities and leads to benefits such as reduced stress, improved memory, and enhanced concentration.
3. Yoga has the power to enhance focus and clarity of thought.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

Answer: A

Explanation –

Statements 1 and 2 are incorrect. Yoga focuses on the practice of physical postures, breath control, concentration, and meditation to attain self-realization and liberation. Shatkarmas (purification practice), a variety of yogic practice, help cleanse the body and prepares it for more advanced practices. Examples include Kunjal or Varisar Dhauti, which improve digestion, and Jal Neti and Sutra Neti, which aid in the cleansing of the nasal sinus and improvement of eyesight.

Statement 3 is correct. Yoga has the power to enhance focus and clarity of thought.

Source: [ForumIAS](#)

Q.6) Which of the following may be the negative impact of implementing Carbon Border Adjustment Mechanism (CBAM)?

1. It can prevent carbon leakage.
2. It could lead to trade tensions and disputes.
3. It can affect developing countries that rely heavily on carbon-intensive industries.

Select the correct code given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. This is an advantage of implementing CBAM. CBAM prevents “carbon leakage”, the phenomenon where companies transfer their operations to countries with less stringent emissions regulations.

Statements 2 and 3 are correct. The negative impact of implementing CABM may be – trade tensions and disputes as it appears to contravene the WTO's non-discrimination principles. Countries could challenge the CBAM at the WTO, arguing it discriminates against 'like' goods based on their carbon content and it can affect developing countries that rely heavily on carbon-intensive industries which do not have enough resources to reduce its carbon emission.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.7) The Union Cabinet has approved the constitution of an Inter-Ministerial Committee (IMC) to facilitate the world's largest grain storage plan in the cooperative sector. With reference to this, consider the following statements:

1. The plan would strengthen food security in the country by ensuring a larger portion of the grain production is safely stored and distributed.
2. Under the plan, India aims to promote centralized storage systems.
3. The plan aims to empower Primary Agricultural Cooperative Societies (PACS) by facilitating their expansion into various business activities, thus enhancing the incomes of the farmer.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are correct. The world's largest grain storage plan would strengthen food security in a country by ensuring a larger portion of the grain production is safely stored and distributed. The plan also aims to empower Primary Agricultural Cooperative Societies (PACS) by facilitating their expansion into various business activities, thus enhancing the incomes of the farmer

Statement 2 is incorrect. Unlike many other nations' centralized storage systems, India's plan promotes decentralization, aiming to construct storage facilities in every block with capacities between 500-2000 tonnes.

Source: [ForumIAS](#)

Q.8) Consider the following statements with respect to Fast Radio Bursts (FRBs):

1. Fast Radio Bursts (FRBs) are signals emitted from Earth's atmosphere due to interactions between lightning and radio waves.
2. FRBs are so powerful they can outshine the entire galaxy from which they emerge.

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

Answer: B

Explanation –

Statement 1 is incorrect. Fast Radio Bursts (FRBs) are intense, millisecond-duration bursts of radio waves that originate from deep space.

Statement 2 is correct. FRBs are so powerful they can outshine the entire galaxy from which they emerge.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.9) Which of the following statement is correct regarding eSewa Kendras?

- a) These are passport approval specialized facilities designed to cater to the growing demands of individuals seeking efficient and seamless processing of their passport applications.
- b) It acts as a rehabilitation center for the people affected by the natural calamities.
- c) It enables litigants to obtain information with respect to case status and to obtain copies of judgments and orders.
- d) These are establishments dedicated to ensuring prompt and efficient delivery of requested information under the provisions of the Right to Information Act, 2005.

Answer: C

Explanation – e-Sewa Kendras have been created in the High Courts and in one District Court in each State on a pilot basis. It is being expanded to cover all court complexes. It enables litigants to obtain information with respect to case status and to obtain copies of judgments and orders. These centers also extend assistance in the e-filing of cases.

Source: [ForumIAS](#)

Q.10) Consider the following statements:

- 1. Tectonic deformation refers to the changes in the Earth's crust caused by the movement and interaction of tectonic plates.
- 2. Tectonic deformation occurs due to the immense pressures and stresses exerted on the crust as a result of plate interactions.
- 3. Fracturing is a type of tectonic deformation, where rocks bend or curve due to compressional forces.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statements 1 and 2 are correct. Tectonic deformation refers to the changes in the Earth's crust caused by the movement and interaction of tectonic plates. Tectonic deformation occurs due to the immense pressures and stresses exerted on the crust as a result of plate interactions.

Statement 3 is incorrect. Fracturing is a type of tectonic deformation, where rocks break into smaller pieces due to stresses exceeding their strength. This can result in the formation of joint sets, fractures, and cracks in the Earth's crust.

Source: [ForumIAS](#)

PRELIMS

Q.1) With reference to Sulphur-coated Urea, consider the following statements:

1. Sulphur-coated urea is a type of fertilizer that releases nitrogen rapidly, causing plants to experience excessive nutrient uptake and leading to environmental pollution.
2. Sulphur-coated urea helps to minimize nitrogen leaching in waterlogged conditions for rice and wheat cultivation.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. Sulphur-coated urea is a type of controlled-release fertilizer that is made by coating urea with sulphur and wax that increases nitrogen efficiency, improves plant growth and reduces water pollution. The purpose of the coating is to slow down the release of nitrogen into the soil, providing a more gradual and sustained supply of nutrients to the plants. In addition, sulfur itself is a secondary nutrient and it does not pollute the soil when applied appropriately.

Statement 2 is correct. Sulphur-coated urea helps to minimize nitrogen leaching in waterlogged conditions for rice and wheat cultivation.

Source: [ForumIAS](#)

Q.2) The Union Cabinet approved the National Research Foundation (NRF) Bill, 2023. With reference to NRF, consider the following statements:

1. The NRF will be an apex body to provide high-level strategic direction of scientific research in the country as per recommendations of the National Education Policy (NEP).
2. Prime Minister will be the ex-officio President of the Governing Board of NRF.
3. Department of School Education & Literacy will be the administrative department of NRF.

Which of the statements given above is/are correct?

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

Answer: B

Explanation –

Statements 1 and 2 are correct. The NRF will be an apex body to provide high-level strategic direction of scientific research in the country as per recommendations of the National Education Policy (NEP). Prime Minister will be the ex-officio President of the Governing Board of NRF.

Statement 3 is incorrect. Department of Science and Technology (DST) will be the administrative Department of NRF.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

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

1. Under this scheme, carbon credits can be sold and bought domestically.
2. The green credits will be tradable and those earning it will be able to put these credits up for sale on a proposed domestic market platform.

Select the correct statement using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. Under this, individuals, industries, farmers producers' organisations (FPOs), urban local bodies (ULB), gram panchayats and private sectors, among a host of other entities, will be able to earn "green credit" for undertaking environment-friendly actions. These include planting trees, conserving water, waste management and reducing air pollution.

Statement 2 is correct. The green credits will be tradable and those earning it will be able to put these credits up for sale on a proposed domestic market platform. These credits, through a market mechanism, can also be traded for money.

Source: [ForumIAS](#)

Q.4) With reference to the Panchayat Development Index (PDI), consider the following statements:

1. The aim of the index is to measure the incremental progress towards the achievement of Localization of Sustainable Development Goals (LSDGs) through Panchayats.
2. The PDI ranks panchayats on the basis of scores, and categorises them into four grades.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Statement 1 and 2 are correct. The aim of the index is to measure the incremental progress towards the achievement of Localization of Sustainable Development Goals (LSDGs) through Panchayats. The PDI ranks panchayats on the basis of scores, and categorises them into four grades. Those with scores under 40% fall in grade D, 40-60% in grade C, 60-75% in grade B, 75 to 90% in category A, while those scoring above 90% will be categorised as A+.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.5) Consider the following pairs:

GI tagged products----- States

1. Pawndum ----- Assam
2. Kandangi Saree ----- Goa
3. Kinhal Toys ----- Arunachal Pradesh
4. Sambhal Horn ----- Uttar Pradesh

How many of the above pairs are correctly matched?

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

Answer: A

Explanation – Only option 4 is correctly matched. Pawndum is a handicraft from Mizoram, Kandangi Saree is from Tamil Nadu, Kinhal Toys are from Karnataka.

Source: [ForumIAS](#)

Q.6) Consider the following statements:

1. Dateline El Nino is a type of El Nino event where the warming of sea surface temperatures occurs primarily in the central equatorial Pacific region near the International Date Line.
2. A canonical El Nino often leads to above-average rainfall in the western Pacific region, including parts of Southeast Asia and Australia, while leading to a below-average rainfall along the western coast of South America, particularly in Peru and Ecuador.
3. Canonical El Nino and Dateline El Nino both are part of the El Nino-Southern Oscillation (ENSO) climate pattern.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- a) None

Answer: B

Explanation –

Statements 1 and 3 are correct. Dateline El Nino is a type of El Nino event where the warming of sea surface temperatures occurs primarily in the central equatorial Pacific region near the International Date Line. Canonical El Nino and Dateline El Nino both are part of the El Niño-Southern Oscillation (ENSO) climate pattern.

Statement 2 is incorrect. A canonical El Nino often leads to below-average rainfall in the western Pacific region, including parts of Southeast Asia and Australia, while increasing rainfall along the western coast of South America, particularly in Peru and Ecuador. Canonical El Nino is the traditional El Nino which usually happens.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.7) Consider the following statements:

1. Unlike earthquakes, which can neither be predicted nor prevented, floods, in most cases, are predictable.
2. Around 12 percent of the country's geographical area is known to be flood-prone.
3. Flood management is not present in any of the Constitution's three lists.

Which of the statements given above is/are correct?

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

Answer: D

Explanation –

Statements 1, 2 and 3 are correct. Unlike earthquakes, which can neither be predicted nor prevented, floods, in most cases, are predictable. Around 12 percent of the country's geographical area is known to be flood-prone. Flood management is not present in any of the Constitution's three lists.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. Greedflation refers to a price rise introduced by companies to take advantage of inflation while Shrinkflation refers to a reduction in the quantity or quality of a product while the price remains the same.
2. In Greedflation, production costs increase to a lesser extent while e-commerce businesses maintain the same retail price.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. Greedflation refers to a price rise introduced by companies to take advantage of inflation while Shrinkflation refers to a reduction in the quantity or quality of a product while the price remains the same.

Statement 2 is incorrect. In shrinkflation, production costs increase to a lesser extent while e-commerce businesses maintain the same retail price whereas in greedflation, production costs usually do not rise enough for price increases to be justified.

Source: [ForumIAS](#)

10 PM Compilation for the Month of June 2023

Q.9) Consider the following:

1. Graphite
2. Indium
3. Niobium
4. Lithium
5. Limestone
6. Gypsum

Which of the above are categorized as Critical Minerals?

- a) 1, 2, 3 and 4 only
- b) 2, 3, 4, and 6 only
- c) 1, 2, 3, 4 and 6 only
- d) 2, 3, 4 and 5 only

Answer: A

Explanation – A total of 30 minerals were found to be most critical for India: Antimony, Beryllium, Bismuth, Cobalt, Copper, Gallium, Germanium, Graphite, Hafnium, Indium, Lithium, Molybdenum, Niobium, Nickel, PGE, Phosphorous, Potash, REE, Rhenium, Silicon, Strontium, Tantalum, Tellurium, Tin, Titanium, Tungsten, Vanadium, Zirconium, Selenium and Cadmium.

Source: [ForumIAS](#)

Q.10) Consider the following statements:

1. India lacks the capability to provide 24×7 power and consistent water supply, essential for chip making industry.
2. The US has denied semiconductor technology to China to prevent it from gaining high tech dominance over the world.

Select the correct statements using the codes given below:

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

Answer: C

Explanations –

Statements 1 and 2 are correct. Currently, India lacks the capability to provide 24×7 power and consistent water supply, essential for chip making industry. The US has denied semiconductor technology to China to prevent it from gaining high tech dominance over the world.

Source: [ForumIAS](#)