

10 PM Current Affairs Quiz Compilation

July, 2023

PRELIMS

Q.1) Consider the following statements:

1. Primary forests are forests that have regrown or regenerated after significant human disturbance or land-use changes.
2. Compared to primary forests, secondary forests generally have a younger age structure.
3. Primary forests are important for carbon sequestration and climate regulation.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statement 1 is incorrect. Primary forests, also known as old-growth forests, are forests that have reached a mature stage of ecological development without significant human interference or disturbance. Whereas, secondary forests are forests that have regrown or regenerated after significant human disturbance or land-use changes.

Statements 2 and 3 are correct. Compared to primary forests, secondary forests generally have a younger age structure. Primary forests are important for carbon sequestration and climate regulation.

Source: [ForumIAS](#)

Q.2) With reference to the Open Market Sale Scheme (OMSS) consider the following statements:

1. Under the Scheme, the Food Corporation of India (FCI) buys surplus food grains from traders, bulk consumers, and retail chains at predetermined prices.
2. The objective of the scheme is to improve and regulate domestic supply and availability of the two grains (wheat and rice) and bring down their prices in the open market essentially making the scheme a measure to curb food grain inflation.

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 Open Market Sale Scheme, the Food Corporation of India (FCI) from time to time sells surplus food grains from the central pool, especially wheat and rice in the open market to traders, bulk consumers, retail chains and so on at predetermined prices.

Statement 2 is correct. The objective of the scheme is to improve and regulate domestic supply and availability of the two grains (wheat and rice) and bring down their prices in the open market essentially making the scheme a measure to curb food grain inflation.

Source: [ForumIAS](#)

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Q.3) With reference to World Drug Report 2023, consider the following statements:

1. As per the report, the number of people who suffer from drug use disorders has increased over the past years.
2. Drug trafficking is accelerating environmental devastation, particularly in the Amazon Basin.
3. Youth populations are the most vulnerable to using drugs and are also more severely affected by substance use disorder in several regions.

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. As per the report, the number of people who suffer from drug use disorders has increased over the past year. Drug trafficking is accelerating environmental devastation, particularly in the Amazon Basin. Youth populations are the most vulnerable to using drugs and are also more severely affected by substance use disorder in several regions.

Source: [ForumIAS](#)

Q.4) With reference to the World Competitiveness Ranking 2023, consider the following statements:

1. The ranking of India has been decreased from the previous years.
2. Denmark, Ireland and Switzerland have been named the top three in the ranking.

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. India has been ranked 40th which is slight improvement in its ranking compared to 43rd rank in 2019-2021.

Statement 2 is correct. Denmark, Ireland and Switzerland have been named the top three among 64 economies.

Source: [ForumIAS](#)

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Q.5) With reference to Giant Metrewave Radio Telescope (GMRT) consider the following statements:

1. The GMRT is designed to detect and capture visible light.
2. The GMRT employs a technique called radio interferometry, which combines signals received by multiple antennas to create a virtual telescope with a size equivalent to the maximum separation between the antennas.
3. The GMRT is operated by National Centre for Radio Astrophysics (NCRA).

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. Unlike optical telescopes that detect visible light, the GMRT is designed to capture and study radio frequencies ranging from 150 MHz to 1.5 GHz.

Statement 2 and 3 are correct. The GMRT employs a technique called radio interferometry, which combines signals received by multiple antennas to create a virtual telescope with a size equivalent to the maximum separation between the antennas. The GMRT is operated by National Centre for Radio Astrophysics (NCRA).

Source: [ForumIAS](#)

Q.6) With reference to Mahila Samman Savings Certificate Scheme, consider the following statements:

1. The Mahila Samman Savings Certificate can be done only in the name of a girl child or woman.
2. The maturity period of the Mahila Samman Savings Certificate account is two years.
3. Tax Deducted at Source (TDS) is deducted from the interest received under this scheme.
4. Mahila Samman Savings Certificate scheme does not have any credit 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 4 are correct. The Mahila Samman Savings Certificate can be done only in the name of a girl child or woman. The maturity period of the Mahila Samman Savings Certificate account is two years. Mahila Samman Savings Certificate scheme is a small savings scheme backed by the government. Hence, it does not have any credit risk.

Statement 3 is incorrect. TDS is not deducted from the interest received under the Mahila Samman Saving Certificate Scheme.

Source: [ForumIAS](#)

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Q.7) With reference to National Maritime Heritage Complex (NMHC) consider the following statements:

1. The complex is being developed by the Ministry of Ports, Shipping and Waterways.
2. The complex will be designed to accommodate larger cargo ships and will feature a separate storage area for containers.
3. This project will also provide tremendous job opportunities to the local people.

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. NMHC is being developed by the Ministry of Ports, Shipping and Waterways under the Sagarmala programme. It is being developed at Lothal, Gujarat. This project will also provide tremendous job opportunities to the local people and will transform the socio-economic condition of the entire region.

Statement 2 is incorrect. The complex will include the world's highest lighthouse museum and world's largest open aquatic gallery. It will be a one of its kind projects to not only display India's rich and diverse maritime heritage and also help Lothal to emerge as a world-class international tourist destination.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. Dark Patterns are ethical design techniques that are intentionally created to enhance user experience by providing authentic information of the products and improve user engagement.
2. Dark patterns can be found in various digital interfaces, including websites, mobile apps, and online services.

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. Dark patterns refer to deceptive design techniques and user interface elements that are intentionally created to manipulate or trick users into performing actions they may not have intended or desired. For example, in Forced Continuity, users are automatically enrolled in subscription services or recurring payments without their explicit consent or clear disclosure.

Statement 2 is correct. Dark patterns can be found in various digital interfaces, including websites, mobile apps, and online services. Engaging in such deceptive and manipulative conduct by using dark patterns in online platforms constitutes 'unfair trade practice' under the Consumer Protection Act, 2019.

Source: [ForumIAS](#)

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Q.9) With reference to Sea Lions, consider the following statements:

1. Sea lions are freshwater animals commonly found in lakes and rivers across the world.
2. Despite their freshwater habitat, sea lions are not strong swimmers and prefer to remain on dry land most of the time.

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. Sea lions are marine mammals that belong to the family Otariidae. They are closely related to seals and walruses. They are known for their semi-aquatic lifestyle, spending a significant amount of time both on land and in the water. Sea lions are excellent swimmers.

Source: [ForumIAS](#)

Q.10) Consider the following statements:

1. Under Article 164 of the Constitution, the Chief Minister is appointed by the Governor without any advice from anyone.
2. The pleasure of the Governor under the Constitution of India is not the same as that of the colonial Governor.

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. Under Article 164 of the Constitution, the Chief Minister is appointed by the Governor without any advice from anyone. The pleasure doctrine has been brought into the Constitution of India from the Government of India Act, 1935. The pleasure of the Governor under the Constitution of India is not the same as that of the colonial Governor. The Governor during the colonial rule had absolute discretion to choose a Minister and dismiss him. However, it is not same as with the current role of Governor.

Source: [ForumIAS](#)

PRELIMS

Q.1) With reference to the Gravitational Waves, consider the following statements:

1. These are ripples or disturbances in the fabric of spacetime caused by the acceleration or movement of massive objects.
2. They require a physical medium for transmission.
3. Gravitational waves have a much lower frequency range compared to electromagnetic waves.

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. Gravitational Waves are ripples or disturbances in the fabric of spacetime caused by the acceleration or movement of massive objects. They have a much lower frequency range compared to electromagnetic waves.

Statement 2 is incorrect. Gravitational waves are different from other types of waves, such as electromagnetic waves, because gravitational waves do not require a medium to propagate. They can travel through empty space without being significantly affected or diminished.

Source: [ForumIAS](#)

Q.2) Consider the following statements:

1. Disaster risk financing involves managing the financial risks associated with financing development projects in regions that are prone to natural disasters and adverse climate events.
2. Economic Enhancement is one the strategic priorities of Coalition for Disaster Resilient Infrastructure (CDRI).

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. Disaster risk financing is about reducing the risk of disasters by investing ahead of time so that when hazards occur, the impact of the disaster is minimal, and recovery can be made easily. The following are CDRI's strategic priorities: Technical Support and Capacity-building, Research and Knowledge Management, Advocacy and Partnerships.

Source: [ForumIAS](#)

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Q.3) Consider the following statements:

1. Lothal, one of the sites of the Indus Valley civilization, is located in Fatehabad district of Haryana.
2. It was discovered by the archaeologists N G Majumdar.
3. Rice husk has been discovered at Lothal.

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. Lothal, one of the sites of the Indus Valley civilization, is located in the Bhāl region of the state of Gujarat. It was one of the southernmost sites of the Indus Valley civilization. It was a port town of IVC. It was discovered by the archaeologists S R Rao.

Statement 3 is correct. Rice husk has been discovered at Lothal.

Source: [ForumIAS](#)

Q.4) With reference to the Industrial Park Rating System (IPRS) consider the following statements:

1. It rates the country's industrial parks and special economic zones.
2. It is an extension of the India Industrial Land Bank (IILB) platform.
3. It rates industrial parks across four pillars.

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. IPRS rates the country's industrial parks and special economic zones. It is an extension of the India Industrial Land Bank (IILB) platform. It rates industrial parks across four pillars: internal infrastructure and utilities, external infrastructure and facilities, business support services, and environmental and safety management.

Source: [ForumIAS](#)

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Q.5) Consider the following statements:

1. Crop residue can be converted into renewable energy sources, such as biofuels, or used directly for heat and electricity generation.
2. Incorporating crop residues into the soil elevates soil temperature, causing death of beneficial soil organisms.
3. Crops like cotton, sugarcane, tobacco do not generate crop residues.

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. Crop residue can be converted into renewable energy sources, such as biofuels, biogas, or used directly for heat and electricity generation.

Statements 2 and 3 are incorrect. Incorporating crop residues into the soil can provide several benefits for soil health. Residues help improve soil organic matter content, enhance soil structure and water-holding capacity, and promote nutrient cycling. However, burning crop residue generates heat which can elevates soil temperature, causing death of beneficial soil organisms. Crops like cotton, sugarcane, tobacco also generate crop residues.

Source: [ForumIAS](#)

Q.6) With reference to the different dating methods used in archaeology, consider the following statements:

1. Luminescence dating is a technique that examines sediments under a microscope to establish the integrity of the layers that buried the fossils.
2. Electron spin resonance dating relies on measuring the number of electrons in tooth enamel.
3. Micromorphology is a technique that measures the last time crystalline materials, such as stones, were exposed to sunlight or heat.

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 3 are incorrect. Luminescence dating is a technique that measures the last time crystalline materials, such as stones, were exposed to sunlight or heat. This technique mainly uses two minerals: quartz and feldspar. Micromorphology is a technique that examines sediments under a microscope to establish the integrity of the layers that buried the fossils.

Statement 2 is correct. Electron spin resonance dating relies on measuring the number of electrons in tooth enamel.

Source: [ForumIAS](#)

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Q.7) With reference to Rules of origin criteria, consider the following statements:

1. Rules of origin are the rules to attribute a country of origin to a product in order to determine its "economic nationality".
2. Rules of origin used for the application of labeling and marking requirements.
3. Preferential rules of origin are those primarily designated in order to sustain the most-favored-nation (MFN) treatment within the World Trade Organization (WTO).

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. Rules of origin are the rules to attribute a country of origin to a product in order to determine its "economic nationality". Rules of origin used for the application of labeling and marking requirements.

Statement 3 is incorrect. Preferential rules of origin are those associated with contractual or autonomous trade regimes leading to the granting of tariff preferences going beyond the MFN application. These are designed to determine the origin of goods for the purpose of granting preferential trade benefits under specific preferential trade agreements or preference programs.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. Pangong Tso Lake is an exorheic lake.
2. Pangong Tso Lake is a freshwater lake.
3. The Karakoram Mountain range which crosses China and India ends at the north bank of Pangong Tso.

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. Pangong Tso Lake is an endorheic lake (landlocked) located in eastern Ladakh. It is a saltwater lake.

Statement 3 is correct. The Karakoram Mountain range which crosses China and India ends at the north bank of Pangong Tso.

Source: [ForumIAS](#)

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Q.9) Consider the following statements:

1. India is the world's third-largest fish producer and fourth-largest exporter.
2. Fish production has a significantly lower climate impact than meat production.
3. Fish, being a rich sustainable source of protein, can be a solution to the country's nutritional needs.

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 is the world's third-largest fish producer and fourth-largest exporter. Fish production has a significantly lower climate impact than meat production. Fish, being a rich sustainable source of protein, can be a solution to the country's nutritional needs.

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

PRELIMS

Q.1) Consider the following statements:

1. Bharat 6G Alliance (B6GA) is a cooperative platform that brings together nations from the Global South to facilitate the effective advancement of the 6G network.
2. The objective of B6GA is to understand the business and societal needs of 6G beyond technical requirements.

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. Bharat 6G Alliance (B6GA) is a collaborative platform consisting of public and private companies, academia, research institutions, and standards development organizations. It will work towards setting up the 6G network in India.

Statement 2 is correct. The objective of B6GA is to understand the business and societal needs of 6G beyond technical requirements.

Source: [ForumIAS](#)

Q.2) With reference to Telecom Technology Development Fund (TTDF) consider the following statements:

1. It aims to create a fund dedicated to enhancing the effectiveness and reliability of public-owned telecommunication networks, leading to improved services for consumers.
2. The scheme also aims to promote technology ownership and indigenous manufacturing, create a culture of technology co-innovation, reduce imports, boost export opportunities and creation of Intellectual Property.

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. TTDF aims to fund R&D in rural-specific communication technology applications and form synergies among academia, start-ups, research institutes, and the industry to build and develop the telecom ecosystem.

Statement 2 is correct. The scheme also aims to promote technology ownership and indigenous manufacturing, create a culture of technology co-innovation, reduce imports, boost export opportunities and creation of Intellectual Property.

Source: [ForumIAS](#)

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Q.3) Which of the following is the aim of 'eSARAS mobile App'?

- The application offers a platform for women residing in rural regions to enroll in courses aimed at enhancing their skill sets.
- Its objective is to enhance the e-governance system by fostering collaboration between Municipalities, private enterprises, and district authorities to seamlessly address the inquiries and concerns of the public.
- It serves as a productive platform for promoting and marketing the products crafted by women belonging to self-help groups.
- The app informs coastal residents of the onset of cyclones in real time.

Answer: C

Explanation – eSARAS mobile App is an initiative of Deendayal Antyodaya Yojana- National Rural Livelihoods Mission (DAY-NRLM), a flagship program of the Ministry of Rural Development (MoRD). It is an e-commerce mobile app. It will be used as a more effective platform for marketing the products made by women of self-help groups.

Source: [ForumIAS](#)

Q.4) Consider the following statements:

- The ozone layer is a crucial component of the Earth's atmosphere located in stratosphere.
- The ozone hole implies a complete absence of ozone in a specific region of the Earth's atmosphere.
- Rotterdam Convention is an international treaty focused on protecting the ozone layer.

Which of the statements given above is/are correct?

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

Answer: B

Explanation –

Statement 1 is correct. The ozone layer is a crucial component of the Earth's atmosphere located in stratosphere.

Statements 2 and 3 are incorrect. The term ozone hole does not imply a complete absence of ozone but rather a substantial reduction in its concentration. Montreal Protocol aims to protect the Ozone layer by reducing the production of substances that are supposed to be responsible for Ozone layer depletion.

Source: [ForumIAS](#)

Q.5) Which of the following statement is incorrect about Santhal Rebellion?

- It was led by Sidhu and Kanhu.
- The rebellion emerged as a response to the oppressive policies and practices of the British East India Company.
- The rebellion saw participation from both tribals and non-tribals.
- The rebellion did not achieve any victories against the forces of the East India Company throughout its duration.

Answer: D

Explanation – The East India Company's army was defeated twice during the rebellion, debunking the belief that they were invincible.

Source: [ForumIAS](#)

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Q.6) With reference to the Diversity for Restoration (D4R) Tool, consider the following statements:

1. It has been developed by Biodiversity International.
2. The tool aims to support ecosystem restoration programs in India by improving decision-making and promoting sustainable development.
3. The tool is already being used in countries such as Malaysia and Ethiopia.

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. D4R tool has been developed by Biodiversity International. The tool aims to support ecosystem restoration programs in India by improving decision-making and promoting sustainable development. The tool is already being used in countries such as Malaysia, Ethiopia, Columbia, Peru, Burkina Faso, Cameroon, etc.

Source: [ForumIAS](#)

Q.7) With reference to the Digital Communication Innovation Square (DCIS) Initiative, consider the following statements:

1. It aims to foster an ecosystem of indigenously developed telecom equipment, in a bid to reduce reliance on imported equipment and technologies.
2. Under this scheme, the government aims to set up telecommunication park in the specialized economic zones for the development of indigenous telecom technologies.

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: A

Explanation –

Statement 1 is correct. DCIS Initiative aims to foster an ecosystem of indigenously developed telecom equipment, in a bid to reduce reliance on imported equipment and technologies.

Statement 2 is incorrect. The scheme is aimed at supporting eligible Startups /MSMEs /Consortium and Individual professional. Under the initiative, startups will get a grant of Rs 50 lakhs, while MSMEs will get a grant of Rs 2 crore, and a consortium will get a grant of Rs 10 crore. Financial support will be provided to those projects and ideas that have reached at least the proof-of-concept level.

Source: [ForumIAS](#)

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Q.8) Consider the following statements:

1. The data for research and development (R&D) in the field of bioeconomy can be stored in Biobanks.
2. Globally, most biobanks are housed in the Global South.
3. Population-centric biobanks gathers information based on a specific disease or genetic condition.

Which of the statements given above is/are correct?

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

Answer: A

Explanation –

Statements 1 is correct. The data for research and development (R&D) in the field of bioeconomy can be stored in three types of data centres: Biological Resource Centres (BRCs), Biorepositories, or Biobanks.

Statements 2 and 3 are incorrect. Globally, most biobanks are housed in North America and Europe, covering about 95 percent of the biobanks in the world. Population-centric biobanks collect information from general population samples, while disease-centric biobanks gather information based on a specific disease or genetic condition.

Source: [ORF](#)

Q.9) Consider the following statements:

1. Highway hypnosis refers to a phenomenon in which the driver perceives the road to be perpendicular to the alignment of the vehicle.
2. Highway hypnosis is also called white line fever.
3. Highway hypnosis is often caused by lack of sleep or physical exhaustion.

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. Highway hypnosis is a phenomenon when the driver zones out and entered an altered mental state during driving on a long straight road at an extended speed. Highway hypnosis can cause the driver to lose the sense of their surroundings and have no recollection of the events.

Statements 2 and 3 are correct. Highway hypnosis is also called white line fever when the driver gets into a somewhat zoned-out and hypnotic state while driving for a great distance. This highway hypnosis is also often caused by lack of sleep or physical exhaustion, which can lead to the person often going into a trance while driving.

Source: [DNA](#)

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Q.10) Consider the following statements:

1. The primary goal of the Uniform Civil Code (UCC) is to simplify the existing laws governing marriage, divorce, adoption, inheritance, succession, and guardianship.
2. The Khasis, the Garo hill tribes of North Eastern India, and the Nairs of Kerala are patriarchal tribes.
3. In the Indian Constitution, the Directive Principles of State Policy are covered in Part IV, which cannot be enforced by courts.

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 primary goal of the Uniform Civil Code (UCC) is to simplify the existing laws governing marriage, divorce, adoption, inheritance, succession, and guardianship. In the Indian Constitution, the Directive Principles of State Policy are covered in Part 4, which cannot be enforced by courts.

Statement 2 is incorrect. The Khasis, the Garo hill tribes of North Eastern India, and the Nairs of Kerala are matrilineal tribes and communities, and they have expressed fear that the UCC may force patriarchal uniformity on them.

Source: [DNA](#)

PRELIMS

Q.1) With reference to the Shanghai Cooperation Organisation (SCO) consider the following statements:

1. Its main objective is to promote military alliances and counterbalance the influence of the United States in the Asia-Pacific region.
2. It is the successor to the Shanghai Five.
3. Japan is one of the member states of the SCO.

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: C

Explanation –

Statements 1 and 3 are incorrect. The SCO aims to promote regional cooperation and address various challenges faced by its member countries, including security threats, economic development, and cultural exchange. Japan is not a member of the SCO.

Statement 2 is correct. SCO is the successor to the Shanghai Five.

Source: [ForumIAS](#)

Q.2) Consider the following statements:

1. India is a source as well as destination country for trafficking of persons.
2. The Mission Vatsalya Scheme aims to safeguard the dwelling areas of Particularly Vulnerable Tribal Groups (PVTGs) from encroachment by contractors.

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. India is a source as well as destination country for trafficking of persons.

Statement 2 is incorrect. Mission Vatsalya Scheme is a roadmap to achieve development and child protection priorities aligned with the Sustainable Development Goals (SDGs). It lays emphasis on child rights, advocacy and awareness along with strengthening of the juvenile justice care and protection system with the motto to 'leave no child behind'.

Source: [ForumIAS](#)

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Q.3) With reference to the Corporate Social Responsibility (CSR) consider the following statements:

1. Corporate Social Responsibility (CSR) is a voluntary practice where companies prioritize their profits above all things.
2. The specific CSR initiatives undertaken by companies can vary widely based on their industry, size, and values.
3. CSR is legally mandatory in India.

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. Corporate Social Responsibility (CSR) refers to a business approach where companies take responsibility for their impact on society and the environment. It involves integrating ethical, social, and environmental concerns into their business operations and interactions with stakeholders.

Statement 2 and 3 are correct. The specific CSR initiatives undertaken by companies can vary widely based on their industry, size, and values. The Corporate Social Responsibility concept in India is governed by Section 135 and Schedule VII of the Companies Act, 2013 and Companies (CSR Policy) Rules, 2014. In case a company fails to comply with the provisions relating to CSR spending, the company will be punishable with a fine.

Source: [ForumIAS](#)

Q.4) Consider the following statements:

1. Deep sea mining is the extraction of mineral resources from the ocean floor in deep ocean waters.
2. Currently, exclusive economic zones are governed by the United Nations Convention on the Law of the Seas (UNCLOS).
3. The deep-sea floor is devoid of any significant marine life due to the harsh environment and lack of nutrients.

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. Deep-sea mining is the process of retrieving mineral deposits from the ocean below 200 metres—the deep seabed, which covers around two-thirds of the total seafloor.

Statement 2 and 3 are incorrect. Currently, Countries manage their own maritime territory and exclusive economic zones, while the high seas and the international ocean floor are governed by the United Nations Convention on the Law of the Seas (UNCLOS). Despite the extreme conditions,

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the deep-sea floor supports a surprisingly diverse array of marine life. It is home to unique organisms adapted to high pressures, cold temperatures, and a lack of sunlight.

Source: [ForumIAS](#)

Q.5) With reference to the 'Zo people' consider the following statements:

1. The Zo people are an ethnic group which inhabit areas of India, Myanmar and the Chittagong hill tracts of Bangladesh.
2. Zo group includes many sub-tribes and clans.
3. They speak a group of Tibeto-Burman languages.

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

Statements 1, 2 and 3 are correct. The Zo people are an ethnic group which inhabit areas of India, Myanmar and the Chittagong hill tracts of Bangladesh. Zo group includes many sub-tribes and clans such as the Chin, Kuki, Mizo, Lushei, Zomi, Paitei, Hmar, Ralte, Pawi, Lai, Mara, Gangte, Thadou, etc. They speak a group of Tibeto-Burman languages.

Source: [ForumIAS](#)

Q.6) Which of the following states is/are covered under National Waterways 2?

- a) Assam
- b) Kerala
- c) Tamil Nadu and Maharashtra
- d) Odisha and West Bengal

Answer: A

Explanation – National Waterway 2 is a section of the Brahmaputra River having a length of 891 km between the Bangladesh border near Dhubri and Sadiya in Assam.

Source: [ForumIAS](#)

Q.7) Which of the following task force is NOT a part of the Startup20 Engagement Group?

- a) The Foundations and Alliances Taskforce
- b) The Finance Taskforce
- c) Inclusion and Sustainability Taskforce
- d) The Innovative Taskforce

Answer: D

Explanation – Startup20 Engagement Group will operate through three Task Forces: The Foundations and Alliances Taskforce, The Finance Taskforce, and Inclusion and Sustainability Taskforce.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.8) With reference to the Energy Transition Index 2023, consider the following statements:

1. It has been released by the Bureau of Energy Efficiency (BEE).
2. As per the index, India is the only major economy with energy transition momentum accelerating across all dimensions.
3. India lies amongst the top five countries in the index.

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 3 are incorrect. Energy Transition Index is released by the World Economic Forum (WEF). India has been ranked 67th out of 120 countries.

Statement 2 is correct. As per the index, India is the only major economy with energy transition momentum accelerating across all dimensions.

Source: [ForumIAS](#)

Q.9) Consider the following statements:

1. Data scraping involves deleting specific data from a website as a precautionary measure against potential theft or unauthorized access.
2. Data scraping is commonly used to find sales leads or conduct market research via public data 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: B

Explanation –

Statement 1 is incorrect. Data scraping, also known as web scraping, is the automated process of extracting large amounts of data from websites or online sources.

Statement 2 is correct. Data scraping is commonly used to Find sales leads or conduct market research via public data sources.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.10) With reference to India's Carbon Credit Trading Scheme (CCTS) consider the following statements:

1. India's CCTS is a program designed to allow companies to trade carbon credits.
2. The carbon credit market's regulation in CCTS falls under the regulation of Securities and Exchange Board of India (Sebi).

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. India's CCTS is a program designed to allow companies to trade carbon credits.

Statement 2 is incorrect. The carbon credit market's regulation in CCTS falls under the regulation of the Central Electricity Regulatory Commission (CERC).

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

PRELIMS

Q.1) With reference to the Internationalization of the currency, consider the following statements:

1. Internationalization of the currency can lower seigniorage benefits.
2. Currency internationalization has an impact on the effectiveness of various monetary policy instruments.
3. Internationalization of rupee may result in increased volatility in the rupee's exchange rate in the initial stages.

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: D

Explanation –

Statements 1 is incorrect. Internationalization of the currency can lead higher seigniorage benefits because there will be a greater number of currencies printed. Seigniorage is the difference between the value of currency/money and the cost of producing it. It is essentially the profit earned by the government by printing currency.

Statements 2 and 3 are correct. Currency internationalization has an impact on the effectiveness of various monetary policy instruments. For example, the effectiveness of open market operations as an instrument for influencing interest rate and money supply is likely to reduce in an environment where residents and non-residents are free to buy and sell domestic currency. The RBI group has cautioned that internationalization of rupee may result in increased volatility in the rupee's exchange rate in the initial stages.

Source: [ForumIAS](#)

Q.2) Which of the following will be the significance of Iran joining the Shanghai Cooperation Organisation (SCO) for India?

1. Iran's induction into SCO will help India build its connectivity strategy through Iran's Chabahar port.
2. Iran's induction enables India to engage with the Central Asian region without getting entangled in China's Belt and Road Initiative.
3. Iran's induction will help India to conduct land-based trade with the Central Asian region through Pakistan.

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 July 2023

Statements 1 and 2 are correct. Iran's induction into SCO will help India build its connectivity strategy through Iran's Chabahar port. Iran's induction enables India to engage with the Central Asian region without getting entangled in China's Belt and Road Initiative.

Statement 3 is incorrect. The inclusion of Iran will also provide India with an opportunity to bypass land-based trade routes that pass-through Pakistan.

Source: [ForumIAS](#)

Q.3) With reference to Indian gazelle (Chinkara) consider the following statements:

1. They reside in dense mountainous forests that maintain their greenery throughout the year.
2. They are categorized as Least Concern in the IUCN Red List.
3. It is the state animal of Rajasthan.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statement 1 is incorrect. The chinkara occupies dry regions, such as sandy deserts, flat plains, hilly areas, arid scrublands, and light forests.

Statements 2 and 3 are correct. Chinkara are categorized as Least Concern in the IUCN Red List. It is the state animal of Rajasthan. They can go for a long time without water.

Source: [ForumIAS](#)

Q.4) Which river bank is the Zaporizhzhia Nuclear Power Plant situated on?

- a) Styr River
- b) Seret River
- c) Luhan River
- d) Dnieper River

Answer: D

Explanation – Zaporizhzhia Nuclear Power Plant is the largest nuclear power plant in Europe and among the 10 largest in the world. The plant is located in south-east Ukraine in Enerhodar on the banks of the Kakhovka reservoir on the Dnieper River.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.5) With reference to Flight Duty Time Limitation (FDTL) norms, consider the following statements:

1. The flight duty time limitations (FDTL) are laid down by the Directorate-General of Civil Aviation (DGCA).
2. It ensures adequate rest timings for pilots and flight attendants and prevent fatigue-related safety issues.

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 flight duty time limitations (FDTL) are laid down by the Directorate-General of Civil Aviation (DGCA). It ensures adequate rest timings for pilots and flight attendants and prevent fatigue-related safety issues.

Source: [ForumIAS](#)

Q.6) Consider the following statements:

1. Ambergris is allowed for the purpose of trade in India.
2. Sperm whales in India are a protected species under Schedule I of the Wildlife Protection Act.

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. Ambergris is a waxy substance that originates from the digestive system of protected sperm whales. It is a rare substance, which contributes to its high demand and high price in the international market. There is a ban on the possession and trade of ambergris in countries like the USA, Australia and India. Sperm whales in India are a protected species under Schedule 2 of the Wildlife Protection Act.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.7) With reference to the volatility in Tomato, Onion, and Potato (TOP) prices, consider the following statements:

1. High volatility in prices leads to uncertainty in income for farmers.
2. High inflation in TOP prices can impact other commodity prices.
3. The price fluctuations of TOP may not exert any influence on the global markets.

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. High volatility in prices leads to uncertainty in income for farmers. High inflation in TOP prices can impact other commodity prices. For example, high potato prices might impact the prices of snacks or processed foods that use potatoes as a primary ingredient.

Statement 3 is incorrect. Fluctuations in the prices of TOP can have an impact on global markets as well. India is one of the largest producers and consumers of these commodities. So, when prices rise domestically, it can create supply gaps internationally.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. India's investment in research and development (R&D), as a percentage of GDP, has steadily dropped.
2. In India, the private sector contributes the most to research and development (R&D).
3. The National Research Foundation (NRF) intends to foster research in social sciences, arts, and humanities.

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. India's investment in research and development (R&D), as a percentage of GDP, has steadily dropped—from 0.84% in 2008 to about 0.69% in 2018. The NRF intends to foster research not just in the natural sciences and engineering, but also in social sciences, arts, and humanities.

Statement 2 is incorrect. In India, about 56% of R&D spend comes from the government and 35% from the private sector.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.9) With reference to the International Maritime Organization (IMO) consider the following statements:

1. It is an autonomous and a self-governing entity established with the objective of effectively overseeing and regulating deep sea mining activities globally.
2. India is one of the members of IMO.
3. It is governed by an assembly of members which meets every two years.

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 International Maritime Organization is a specialised agency of the United Nations responsible for regulating shipping.

Statements 2 and 3 are correct. India is one of the members of IMO. IMO is governed by an assembly of members which meets every two years.

Source: [ForumIAS](#)

Q.10) Consider the following statements:

1. The distribution of sunlight due to Earth's distance from the sun primarily determines the temperature variations on the Earth.
2. Earth's distance from the Sun is not constant throughout the year.
3. Earth travels around the Sun in an elliptical path.

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 distribution of sunlight due to Earth's axial tilt primarily determines the temperature variations, not the distance from the Sun. The primary driver of Earth's seasons is not the distance from the Sun but rather the tilt of Earth's axis.

Statements 2 and 3 are correct. Earth's distance from the Sun is not constant throughout the year. During aphelion, Earth is farthest from the Sun and during perihelion, Earth is closest to the Sun. Earth travels around the Sun in an elliptical path.

Source: [India Today](#)

PRELIMS

Q.1) With reference to the Strategic Interventions for Green Hydrogen Transition (SIGHT) programme, consider the following statements:

1. The program has been initiated by the G20 with the primary objective of promoting and facilitating the widespread implementation of green hydrogen as a viable and sustainable alternative to traditional fuels.
2. Solar Energy Corporation of India (SECI) is the implementing agency of the programme in India.

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. SIGHT is a major financial measure under the National Green Hydrogen Mission. Its objectives are – 1) to maximize production of Green Hydrogen and its derivatives in India 2) Enhance cost-competitiveness of Green Hydrogen and its derivatives vis a-vis fossil-based alternatives and 3) Encourage large scale utilization of Green Hydrogen and its derivatives.

Statement 2 is correct. SECI is the implementing agency of the programme.

Source: [ForumIAS](#)

Q.2) With reference to the National e-Governance Service Delivery Assessment (NeSDA) consider the following statements:

1. Its objective is to measure the depth and effectiveness of existing e-Governance service delivery mechanisms from the citizen's perspective.
2. The framework is based on the Online Service Index (OSI) of UNDESA eGovernment Survey.
3. It was launched by the Department of Administrative Reforms & Public Grievances (DAPRG).

How many of the above statements are correct?

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

Answer: C

Explanation –

Statements 1, 2 and 3 are correct. NeSDA's objective is to measure the depth and effectiveness of existing e-Governance service delivery mechanisms from the citizen's perspective. The framework is based on the Online Service Index (OSI) of UNDESA eGovernment Survey. It was launched by the Department of Administrative Reforms & Public Grievances (DAPRG) in 2018.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.3) Consider the following statements:

1. India currently imports over 90% of its primary energy requirements.
2. Currently, around 42% of power generation capacity of India is based on non-fossil-fuels.

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. India currently imports over 40% of its primary energy requirements, worth over USD 90 billion every year.

Statement 2 is correct. Currently, around 42% of power generation capacity of India is based on non-fossil-fuels.

Source: [ForumIAS](#)

Q.4) With reference to National Green Tribunal (NGT) consider the following statements:

1. The tribunal is guided by principles of natural justice and is not bound by the mainstream code of civil procedure.
2. The members of the tribunal hold office for a term of five years and are not eligible for reappointment.
3. The chairperson is appointed by the President of India.
4. It acts as an important institution for promoting economic justice.

How many of the statements given above are correct?

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

Answer: B

Explanation –

Statements 1 and 2 are correct. NGT is guided by principles of natural justice and is not bound by the mainstream code of civil procedure. The members of the tribunal hold office for a term of five years and are not eligible for reappointment.

Statements 3 and 4 are incorrect. The chairperson is appointed by the Central Government in consultation with the Chief Justice of India. It acts as an important institution for safeguarding the environment and promoting environmental justice.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.5) Consider the following statements:

1. Manual scavenging refers to the practice of manually cleaning, handling, and disposing of human excreta and solid waste from sewers, septic tanks, and public toilets.
2. Self-Employment Scheme for Rehabilitation of Manual Scavengers (SRMS) aims to rehabilitate manual scavengers and their dependents in alternative occupations, in a time bound manner.

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. Manual scavenging refers to the practice of manually cleaning, handling, and disposing of human excreta and solid waste from sewers, septic tanks, and public toilets. Self-Employment Scheme for Rehabilitation of Manual Scavengers (SRMS) aims to rehabilitate manual scavengers and their dependents in alternative occupations, in a time bound manner.

Source: [ForumIAS](#)

Q.6) The United Nations has adopted the Marine Biodiversity of Areas Beyond National Jurisdiction (BBNJ) or the High Seas Treaty. With reference to the High Seas Treaty, consider the following statements:

1. The Treaty will provide funding for capacity building and implementation to help developing countries implement the Treaty, encourage cooperation, develop marine science and technical capability, as well as promote access to technology on fair terms.
2. The treaty has established a specialized research institution that holds the responsibility for conducting comprehensive and in-depth research related to ship accidents taking place in the High Seas.

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 High Seas Treaty will provide funding for capacity building and implementation to help developing countries implement the Treaty, encourage cooperation, develop marine science and technical capability, as well as promote access to technology on fair terms.

Statement 2 is incorrect. There is no such provision under the treaty. The objectives of the treaty are - to implement international regulations to protect life in oceans beyond national jurisdiction through international cooperation and to address critical issues such as the increasing sea surface temperatures, overexploitation of marine biodiversity, overfishing, coastal pollution and unsustainable practices beyond national jurisdiction.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.7) Consider the following statements:

1. The One Health approach is a multidisciplinary and collaborative approach that recognizes the interconnectedness of human health, animal health, and the environment.
2. One Health Priority Research Agenda on Antimicrobial Resistance focuses on the environment, plant, animal, and human sectors where AMR transmission, circulation and spread occur.

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 One Health approach is a multidisciplinary and collaborative approach that recognizes the interconnectedness of human health, animal health, and the environment. One Health Priority Research Agenda on Antimicrobial Resistance focuses on the environment, plant, animal, and human sectors where AMR transmission, circulation and spread occur.

Source: [ForumIAS](#)

Q.8) Which of the following is the objective of the NAMASTE scheme?

- a) The objective of this initiative is to effectively diminish the prevalence of under-nutrition and elevate the nutritional well-being of children throughout the nation.
- b) The objective of the scheme is to extend crucial financial support to nascent startups during the initial phase of their projects.
- c) The primary focus of this scheme is to offer high insurance coverage for exporters while reducing the premiums on small-scale exporters.
- d) The objective of the scheme is to provide sanitation employees with a sustainable living while also improving their workplace safety via capacity building and greater access to safety equipment and machinery.

Answer: D

Explanation – National Action Plan for Mechanized Sanitation Ecosystem (NAMASTE) scheme seeks to provide sanitation employees with a sustainable living while also improving their workplace safety via capacity building and greater access to safety equipment and machinery.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.9) Consider the following statements:

1. Germanium is rare earth metal that is used in fiber optic cables, night vision devices, and solar cells.
2. The US is a major producer of germanium.
3. India is 100% dependent on import to meet its germanium requirements.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are correct. Germanium is rare earth metal that is used in fiber optic cables, night vision devices, and solar cells. India is 100% dependent on import to meet its germanium requirements.

Statement 2 is incorrect. China is the major producer of germanium.

Source: [The Times of India](#)

Q.10) Consider the following statements:

1. Forever chemicals are highly persistent synthetic chemicals used in a wide range of industrial and consumer products.
2. Forever Chemicals occur naturally in nature.

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. Forever chemicals are highly persistent synthetic chemicals used in a wide range of industrial and consumer products.

Statement 2 is incorrect. PFAS (Per- and polyfluorinated alkyl substances), also known as the Forever Chemicals, are a large chemical family of over 4,700 highly persistent chemicals that don't occur in nature.

Source: [DNA](#)

PRELIMS

Q.1) With reference to Farmers Distress Index, consider the following statements:

1. The index aims at to minimize the agrarian distress in the form of crop loss/ failure and income shock.
2. The index also serves the purpose of providing financial assistance to farmers as a form of relief during income shocks.
3. The index has been developed by Central Research Institute for Dryland Agriculture (CRIDA).

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. Farmers Distress Index aims at to minimize the agrarian distress in the form of crop loss/ failure and income shock. Central Research Institute for Dryland Agriculture (CRIDA), an institution under the Indian Council of Agricultural Research (ICAR) has developed the farmers distress index.

Statement 2 is incorrect. The index will help in anticipating agrarian distress and prevent its spread from a few farmers to the village or block level by pre-warning different stakeholders, including central, state, local and also non-government agencies about the future occurrence of farmers distress in a particular block / district so that they can take timely preventive measures.

Source: [ForumIAS](#)

Q.2) With reference to the Global Survey on Digital and Sustainable Trade Facilitation 2023, consider the following statements:

1. As per the survey, India is the best performing country amongst all the countries of the South Asia region.
2. In the survey, India has attained a perfect score of 100% in the formality parameter.
3. The survey has been released by United Nations Economic and Social Commission for Asia Pacific's (UNESCAP).
4. It is a perception-based survey.

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. As per the survey, India is the best performing country amongst all the countries of the South Asia region. In the survey, India has attained a perfect score of 100% in the formality parameter. The survey has been released by United Nations Economic and Social Commission for Asia Pacific's (UNESCAP).

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Statement 4 is incorrect. The survey is fact-based rather than perception-based. A three-step approach to data collection and validation is generally followed, implemented over 6-month period every 2 years.

Source: [ForumIAS](#)

Q.3) Consider the following statements:

1. Microplastics are only generated from primary sources whereas nano-plastics are only generated from secondary sources.
2. Nano-plastics have the potential to penetrate cells and tissues.

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. Micro- and nanoplastics are generated from both primary and secondary sources.

Statement 2 is correct. Nano-plastics have the potential to penetrate cells and tissues.

Source: [ForumIAS](#)

Q.4) With reference to the Gravity Holes (Gravitational Anomaly) consider the following statements:

1. Gravity Holes occur when the gravitational field in a region behaves as predicted by Newton's laws of gravity.
2. Gravitational anomalies can be caused by geological features like mountains, valleys, or underground reservoirs.
3. One of the largest gravitational anomalies is located in the Indian Ocean.

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 gravitational anomaly refers to a deviation or discrepancy from the expected gravitational field in a particular region. In normal circumstances, the gravitational field follows predictable patterns based on the distribution of mass in the vicinity. However, a gravitational anomaly occurs when there is an unexpected variation in the strength or direction of the gravitational force.

Statement 2 and 3 are correct. Gravitational anomalies can be caused by geological features like mountains, valleys, or underground reservoirs. The Indian Ocean is home to one of the giant gravity holes known as the Indian Ocean Geoid Low (IOGL).

Source: [ForumIAS](#)

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Q.5) With reference to the Performance Grading Index, consider the following statements:

1. It is prepared by the Department of School Education & Literacy.
2. It assesses the performance of the children studying in schools.

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. Performance Grading Index is prepared by the Department of School Education & Literacy.

Statement 2 is incorrect. The index assesses the performance of the school education system at the State/UT level by creating an index.

Source: [ForumIAS](#)

Q.6) Which of the following may be the impact of implementing a Uniform Civil Code?

1. It will reduce social inequalities and discrimination.
2. It will promote gender inequality.
3. It will encourage national integration.

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 – Implementing Uniform Civil Code (UCC) will reduce social inequalities and discrimination, promote gender equality and encourage national integration.

Source: [ForumIAS](#)

Q.7) Consider the following statements:

1. Around 40-50% of the internet shutdowns are implemented due to communal tensions in India.
2. Article 19 of the Indian Constitution specifically deals with the matter of Internet shutdowns.
3. Healthcare services can be affected due to the internet shutdowns.

How many of the above statements given above are correct?

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

Answer: B

Explanation –

10 PM Compilation for the Month of July 2023

Statements 1 and 3 are correct. Around 40-50% of the internet shutdowns are implemented due to communal tensions in India. Healthcare services can be affected due to the internet shutdowns.

Statement 2 is incorrect. India's Constitution does not directly address the issue of Internet shutdowns, but various provisions indirectly relate to it and have been interpreted by the judiciary in several important rulings.

Source: [ForumIAS](#)

Q.8) With reference to the recent discoveries made regarding flora found in India, consider the following statements:

1. Nandadevia Pusalkar is endemic to the southern Western Ghats of India and distributed in Karnataka, Kerala, and Tamil Nadu.
2. Calanthe lamellose is common throughout the foothills and warm outer valleys of the Uttarakhand Himalayas.

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. Nandadevia Pusalkar is common throughout the foothills and warm outer valleys of the Uttarakhand Himalayas. Calanthe lamellosa is an orchid species. It was earlier recorded in China and Myanmar, and found for the first time in India in the Japfu mountain range in Kohima, Nagaland.

Source: [ForumIAS](#)

Q.9) With reference to the Launch Vehicle Mark-III (LVM3) consider the following statements:

1. It is a four-stage launch vehicle developed by the Indian Space Research Organisation (ISRO).
2. The vehicle carried Chandrayaan-2.
3. It is India's heaviest rocket.

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. LVM3 is a three-stage launch vehicle developed by the Indian Space Research Organisation (ISRO).

Statements 2 and 3 are correct. LVM3 carried Chandrayaan-2 and now it is carrying Chandrayaan-3. LVM3 is India's heaviest rocket with a gross lift-off weight of 640 tonnes.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.10) With reference to the Global Peace Index (GPI) 2023 consider the following statements:

1. The index is released by the Institute for Economics and Peace (IEP).
2. As per the index, Iceland is the most peaceful country in 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

Explanation –

Statements 1 and 2 are correct. Global Peace Index is released by the Institute for Economics and Peace (IEP). As per the index, Iceland is the most peaceful country in the world.

Source: [ForumIAS](#)

PRELIMS

Q.1) Sariska Tiger Reserve is located at –

- a) Madhya Pradesh
- b) Rajasthan
- c) Odisha
- d) Uttarakhand

Answer: B

Explanation –Sariska Tiger Reserve is a tiger reserve in Alwar district, Rajasthan, India.

Source: [The Times of India](#)

Q.2) Consider the following statements:

- 1. India had the highest number of road deaths in 2021.
- 2. The Indian government has committed to cut road deaths by half by 2030.
- 3. electronic detailed accident report (eDAR) application will be embedded in the vehicles by 2030 to prevent road accidents.

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 had the highest number of road deaths in 2021, which is 11% of all road fatalities across the globe. The government has committed to cut road deaths by half by 2030.

Statement 3 is incorrect. eDAR app provides details of total crashes, persons and vehicles involved and time and causes of the accident such as speeding, drowsiness. It is an app used by all states and UTs for recording road crashes.

Source: [The Times of India](#)

Q.3) Consider the following statements:

- 1. Virtual Court is a concept aimed at eliminating presence of litigant or lawyer in the court and adjudication of the case online.
- 2. In a virtual court, only judges have to be present in the physical form.
- 3. At present, virtual courts in India only handle traffic challans.

Which of the statements given above is/are correct?

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

Answer: D

Explanation –

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Statements 1 and 3 are correct. Virtual Court is a concept aimed at eliminating presence of litigant or lawyer in the court and adjudication of the case online. At present, virtual courts in India only handle traffic challans. However, law ministry is considering to expand the jurisdiction of the virtual court.

Statement 2 is incorrect. In a virtual court, neither litigant need to come to court nor judge will have to physically preside over the court.

Source: [The Times of India](#)

Q.4) Consider the following statements:

1. The rise of Himalayas and Tibetan plateau plays a significant role in shaping the evolution of the Indian monsoon.
2. An increase in high-latitude ice volume strengthens the Indian monsoon.
3. Aerosol forcing has decreased the strength of monsoon in recent years.

Which of the statements given above is/are correct?

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

Answer: B

Explanation –

Statements 1 and 3 are correct. The rise of Himalayas and Tibetan plateau plays a significant role in shaping the evolution of the Indian monsoon because they determine largely where the locus of heating is in summer, which drives low pressure over India and pulls in moisture from the ocean. Aerosol forcing has decreased the strength of monsoon in recent years.

Statement 2 is incorrect. There is a relationship between high-latitude ice volume and the strength of the monsoon. When high-latitude ice volume is high, it tends to weaken the monsoon, whereas low ice volume tends to strengthen it.

Source: [The Times of India](#)

Q.5) With reference to the Indian Ocean Dipole (IOD) consider the following statements:

1. The IOD Index is measured by differences in sea surface temperature anomaly between the western equatorial and south-eastern equatorial portions of the Indian Ocean.
2. During a positive IOD phase, India receives lesser rainfall.

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 IOD Index is measured by differences in sea surface temperature anomaly between the western equatorial and south-eastern equatorial portions of the Indian Ocean.

Statement 2 is incorrect. During a positive IOD phase, India receives more rain whereas a negative IOD phase usually offers less.

Source: [The Times of India](#)

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Q.6) With reference to the Aspirational District Programme (ADP) consider the following statements:

1. It is an initiative that seeks to foster high-end lifestyles and provide exclusive privileges in selected affluent districts throughout India.
2. The districts under the programme were chosen by senior official of the union government in consultation with state officials.
3. The ADP primarily aims to localize the Sustainable Development Goals (SDGs), which in turn contributes to the overall progress of the nation.

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 Aspirational District Programme is an initiative launched by the Government of India in January 2018. Its primary objective is to accelerate the development of socio-economic indicators in selected underdeveloped districts across the country.

Statements 2 and 3 are correct. The districts under the ADP were chosen by senior official of the union government in consultation with state officials. The ADP primarily aims to localize the Sustainable Development Goals (SDGs), which in turn contributes to the overall progress of the nation.

Source: [The Times of India](#)

Q.7) With reference to Nari Adalats, consider the following statements:

1. Nari Adalats are being set up at the village level as an alternate dispute resolution forum for resolving issues like domestic violence, property rights and countering the patriarchal system.
2. It will raise awareness about social schemes under the government while collecting valuable feedback to enhance the effectiveness of these initiatives.
3. The Nari Adalat will not hold any legal status.
4. All members of Nari Adalat will comprise the elected members of the gram panchayat.

How many of the statements given above are correct?

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

Answer: C

Explanation –

Statements 1, 2 and 3 are correct. Nari Adalats are being set up at the village level as an alternate dispute resolution forum for resolving issues like domestic violence, property rights and countering the patriarchal system. It will raise awareness about social schemes under the government while collecting valuable feedback to enhance the effectiveness of these initiatives. The Nari Adalat will not hold any legal status as its primary focus will be on reconciliation, grievance redressal and creating awareness of rights and entitlements.

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Statement 4 is incorrect. The Nari Adalat of each village would have 7-9 members/Nyaya Sakhis [legal friends]: Half of which would be the elected members of the gram panchayat and the other half are women with social standing like teachers, doctors and social workers – who would be nominated by the villagers.

Source: [ForumIAS](#)

Q.8) With reference to Solar flares, consider the following statements:

1. Solar flares are energetic releases of electromagnetic from the surface of the Sun, caused by the localised twisting and realignment of the Sun's magnetic field.
2. C-class, a type of solar flares, are large, that have the power to cause global radio blackouts and persistent radiation storms in the upper atmosphere.
3. Solar flares have the potential to affect the GPS system on Earth.

Which of the statements given above is/are correct?

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

Answer: B

Explanation –

Statements 1 and 3 are correct. Solar flares are energetic releases of electromagnetic from the surface of the Sun, caused by the localised twisting and realignment of the Sun's magnetic field. Solar flares have the potential to affect the GPS and internet system on Earth.

Statement 2 is incorrect. C-class flares are slight and have little effect on the Earth whereas X-class flares are large, significant events that have the power to cause global radio blackouts and persistent radiation storms in the upper atmosphere.

Source: [ForumIAS](#)

Q.9) Consider the following statements:

1. Geocoding converts an address or description of a location into geographic coordinates.
2. Geocoding will help in the detection of fraudulent registrations under the GST Network (GSTN).

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. Geocoding converts an address or description of a location into geographic coordinates. Geocoding will help in the detection of fraudulent registrations under the GST Network (GSTN).

Source: [ForumIAS](#)

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Q.10) With reference to the Dispute Settlement System (DSS) of the **World Trade Organization** (WTO) consider the following statements:

1. The purpose of the Dispute Settlement System is to provide stability and predictability to the multilateral trading system and to establish a fast, efficient, dependable and rule-oriented system to resolve disputes.
2. The DSS has been termed as the 'crown jewel' of the WTO.
3. DSS has been paralyzed due to the non-functioning of its appellate body since 2019.

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. The purpose of the Dispute Settlement System is to provide stability and predictability to the multilateral trading system and to establish a fast, efficient, dependable and rule-oriented system to resolve disputes. The DSS has been termed as the 'crown jewel' of the WTO. DSS has been paralyzed due to the non-functioning of its appellate body since 2019.

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

PRELIMS

Q.1) With reference to Lambani embroidery, consider the following statements:

1. It involves stitching floral patterns using bright silk threads on a base fabric, usually a handwoven cotton or khadi.
2. It is practiced in several villages of Karnataka.
3. The embroidery traditions of the Lambanis are shared in terms of technique and aesthetics with textile traditions across Eastern Europe, West, and Central Asia.

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. Lambani embroidery is a vibrant and intricate form of textile embellishment characterized by colorful threads, mirror work, and a rich array of stitch patterns. It involves stitching together small pieces of discarded fabric to create a beautiful fabric.

Statements 2 and 3 are correct. The embroidery traditions of the Lambanis are shared in terms of technique and aesthetics with textile traditions across Eastern Europe, West, and Central Asia.

Source: [ForumIAS](#)

Q.2) Consider the following statements:

1. India is planning to stop the use of chemical fertilizers completely.
2. Overuse of fertilizers has resulted in a 16% decrease in production in Punjab.
3. India is moving towards natural and organic farming.

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 –

Statement 1 is incorrect. India is not planning to stop the use of chemical fertilizers completely but will be adopting alternate fertilizers.

Statements 2 and 3 are correct. Overuse of fertilizers has resulted in a 16% decrease in production in Punjab despite a 10% increase in the use of fertilizers in the State during the same period. This is leading to the deterioration of soil health over a period of time. India is moving towards natural and organic farming.

Source: [ForumIAS](#)

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Q.3) Which of the following has been the consequence(s) of the abrogation of Article 370?

1. Stone-pelting incidents have ceased completely.
2. Duly-elected three-tier Panchayati raj system has been established for the first time in the Jammu and Kashmir.
3. There has been a significant increase in tourist visits to the valley.

How many of the above statements are correct?

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

Answer: C

Explanation –

Statements 1, 2 and 3 are correct. As per the Central government, there has significant positive changes after the abrogation of Article 370. Such as, Stone-pelting incidents have ceased completely, duly-elected three-tier panchayati raj system has been established for the first time in the Jammu and Kashmir since 2019, there has been a significant increase in tourist visits to the valley.

Source: [ForumIAS](#)

Q.4) Consider the following statements:

1. Solomon island is located in the Indian Ocean.
2. Solomon island is a member of the Commonwealth of Nations.
3. Recently, Solomon Island has established official diplomatic relations with China.

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 Solomons are an archipelago of hundreds of small islands in the southern part of the Pacific Ocean.

Statements 2 and 3 are correct. Solomon island is a member of the Commonwealth of Nations. China and Solomon Islands have jointly announced the official establishment of a comprehensive strategic partnership. Solomon Islands and China (PRC) established official diplomatic relations in 2019.

Source: [ForumIAS](#)

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Q.5) Consider the following statements:

1. Marine heatwaves (MHW) are periods of extremely high temperatures in the ocean.
2. Marine heatwaves are caused by an increase in the heat content of oceans, especially in the upper layers.
3. The northern Bay of Bengal remains cool during the monsoon season.

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. Marine heatwaves (MHW) are periods of extremely high temperatures in the ocean. Marine heatwaves are caused by an increase in the heat content of oceans, especially in the upper layers.

Statement 3 is incorrect. The northern Bay of Bengal remains warm during the monsoon season.

Source: [ForumIAS](#)

Q.6) With reference to the Indian Economy, consider the following statements:

1. Repo rate is the rate at which the central bank of a country borrows money from commercial banks within the country.
2. Variable rate reverse repo (VRRR) is usually undertaken to reduce surplus liquidity by withdrawing existing cash in the system.

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. Repo rate is the rate at which the central bank lends money to commercial banks against government securities or other approved collateral.

Statement 2 is correct. VRRR is usually undertaken to reduce surplus liquidity by withdrawing existing cash in the system.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.7) With reference to El Nino, consider the following statements:

1. El Nino benefits the Indian economic growth.
2. El Nino generally leads to drier conditions in Southeast Asia and Australia.
3. El Nino can affect India's trade pattern with Southeast Asian 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: B

Explanation –

Statements 1 is incorrect. El Nino has been known to harm the Indian economic growth, costing tens of billions of dollars in direct impacts.

Statements 2 and 3 are correct. El Nino generally leads to drier conditions in Southeast Asia and Australia. El Nino can affect India's trade pattern with Southeast Asian countries.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. China is currently one of the major destinations for chips manufacturing.
2. Building semiconductors in India will eventually assist India in reducing its reliance on imports.

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. China is currently one of the major destinations for chips manufacturing. Building semiconductors in India will eventually assist India in reducing its reliance on imports.

Source: [ForumIAS](#)

Q.9) With reference to the term Global South, consider the following statements:

1. The term refers to only those countries located in the Southern Hemisphere.
2. The countries of Global South often face higher levels of poverty, income inequality, and lower life expectancies in comparison to the nations of the Global North.

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 –

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Statement 1 is incorrect. The term Global South is used for the Third World countries. While some countries of the Global South are located in the Southern Hemisphere, China and India are located entirely in the Northern Hemisphere.

Statement 2 is correct. The countries of Global South often face higher levels of poverty, income inequality, and lower life expectancies in comparison to the nations of the Global North.

Source: [ForumIAS](#)

Q.10) Consider the following statements:

1. Wastewater surveillance is a cost-effective approach that does not rely on invasive samples from individuals with clinical symptoms.
2. The success of wastewater surveillance in India relies on effective data sharing, domestically as well as internationally.
3. Wastewater surveillance was originally proposed to monitor the spread of poliovirus.

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. Wastewater surveillance is a cost-effective approach that does not rely on invasive samples from individuals with clinical symptoms. The success of wastewater surveillance in India relies on effective data sharing, domestically as well as internationally. Wastewater surveillance was originally proposed to monitor the spread of poliovirus.

Source: [ForumIAS](#)

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PRELIMS

Q.1) With reference to the Global Multidimensional Poverty Index (MPI) 2023, consider the following statements:

1. As per the index, India has witnessed a significant increase in the poverty level.
2. As per the index, nearly two-thirds of all poor people live in middle-income countries.
3. The MPI is calculated by multiplying the incidence of poverty and the average intensity of poverty.

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 index, India saw a remarkable reduction in poverty. People in India who are multi-dimensionally poor and deprived under the nutrition indicator declined from 44% in 2005-06 to 12% in 2019/21.

Statements 2 and 3 are correct. As per the report, nearly two-thirds of all poor people live in middle-income countries, globally. The MPI is calculated by multiplying the incidence of poverty and the average intensity of poverty.

Source: [ForumIAS](#)

Q.2) Which of the following is a bilateral military exercise between India and Japan?

- a) The Cobra Warrior Exercise
- b) DUSTLIK
- c) SHINYUU Maitri
- d) TARKASHA exercise

Answer: C

Explanation – Some of the bilateral military exercises between India and Japan are – JIMEX, Exercise DHARMA GUARDIAN and SHINYUU Maitri.

Source: [ForumIAS](#)

Q.3) With reference to the Goods and Services Tax (GST) Council, consider the following statements:

1. It is a constitutional body in India.
2. It is chaired by the Union Finance Minister of India.
3. Every decision made by the Council must have a majority of at least one-fourth of the votes cast by the voting members present.

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 –

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Statements 1 and 2 are correct. GST Council is a constitutional body in India. It was established under Article 279A of the Indian Constitution. It is chaired by the Union Finance Minister of India.

Statement 3 is incorrect. Every decision made by the Council must have a majority of at least three-fourths of the votes cast by the voting members present.

Source: [ForumIAS](#)

Q.4) Consider the following statements:

1. Kui is an Indo-Aryan language spoken by the Mishmi tribe of Arunachal Pradesh.
2. Kui was also referred to as the Kuinga language during the historical period.
3. The Kui language is closely related to other languages in the Dravidian family such as Gondi and Kuvi.

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. Kui is a South-Eastern Dravidian language spoken by the Khonds community of Odisha. The language is traditionally written using the Odia script.

Statements 2 and 3 are correct. Kui was also referred to as the Kuinga language during the historical period. The language is closely related to other languages in the Dravidian family such as Gondi and Kuvi.

Source: [ForumIAS](#)

Q.5) With reference to the “Shelf Cloud” consider the following statements:

1. The formation of shelf clouds occurs when a mass of cold and dense air is forcefully driven by the wind into a warmer air mass.
2. The underside of the shelf cloud is often dark and menacing, featuring turbulent and rapidly rising air.
3. These clouds have a cylindrical or tube-like shape.

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: B

Explanation –

Statements 1 and 2 are correct. Shelf Cloud formation of shelf clouds occurs when a mass of cold and dense air is forcefully driven by the wind into a warmer air mass. The underside of the shelf cloud is often dark and menacing, featuring turbulent and rapidly rising air.

Statement 3 is incorrect. Shelf clouds have a wedge or shelf-like shape.

Source: [ForumIAS](#)

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Q.6) With reference to Internationalization of the rupee, consider the following statements:

1. It will increase the requirement for the authorities to maintain large foreign exchange reserves in foreign currencies to manage external vulnerabilities.
2. It will increase the cost of doing business for the private sector.
3. The rupee is fully convertible in the capital account.

How many of the above statements are correct?

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

Answer: D

Explanation –

Statements 1, 2 and 3 are incorrect. The internationalisation of a currency reduces the requirement for the authorities to maintain large foreign exchange reserves in foreign currencies to manage external vulnerabilities. Internationalization of the rupee may reduce the cost of doing business. The rupee is not fully/partially convertible in the capital account while it is fully convertible in the current account.

Source: [ForumIAS](#)

Q.7) Consider the following statements:

1. Dark patterns are used for intentionally manipulating or misleading users to make certain choices or perform specific actions that may not be in their best interest.
2. Nagging, a type of dark pattern, refers to persistent, repetitive and annoyingly constant criticism, complaints, requests for action.
3. The Indian government has set up a task force to prepare guidelines to protect consumers against dark patterns.

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. Dark patterns are used for intentionally manipulating or misleading users to make certain choices or perform specific actions that may not be in their best interest. Nagging, a type of dark pattern, refers to persistent, repetitive and annoyingly constant criticism, complaints, requests for action. The Indian government has set up a task force to prepare guidelines to protect consumers against dark patterns.

Source: [ForumIAS](#)

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Q.8) Consider the following statements:

1. The Hague Abduction Convention is a multilateral treaty that provides an expeditious method to return a child internationally abducted by a parent from one member country to another.
2. India is a signatory of the Hague Abduction Convention.
3. The Hague Abduction Convention applies only to children below the age of sixteen.

Which of the statements given above is/are correct?

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

Answer: D

Explanation –

Statements 1 and 3 are correct. The Hague Abduction Convention is a multilateral treaty that provides an expeditious method to return a child internationally abducted by a parent from one member country to another. The Convention applies only to children below the age of sixteen.

Statement 2 is incorrect. India is not a signatory of the Hague Abduction Convention.

Source: [LiveLaw](#)

Q.9) With reference to the Tenth Schedule of the Indian Constitution, consider the following statements:

1. It was added into the Constitution by the 52nd Amendment Act, 1985.
2. The claim of being the 'real party' acts a defence against disqualification under the tenth schedule.
3. The schedule only applies to defections happening within the State Legislative Assemblies.

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: A

Explanation –

Statement 1 is correct. Tenth Schedule was added into the Constitution by the 52nd Amendment Act, 1985.

Statements 2 and 3 are incorrect. As per the SC judgment, 10th schedule of the Constitution does not recognize 'split' with a party as a defence against disqualification. The only defence is merger with another party. 10th schedule applies to both Parliament and state assemblies.

Source: [LiveLaw](#)

PRELIMS

Q.1) With reference to different types of space missions, consider the following statements:

1. Flybys are spacecrafts designed to get into a lunar orbit and carry out prolonged studies of the Moon's surface and atmosphere.
2. Landers missions involve the soft landing of the spacecraft on the Moon.
3. Rovers are the missions in which the spacecraft passed near the Moon but did not get into an orbit around it.

How many of the statements given above are correct?

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

Answer: A

Explanation –

Statements 1 and 3 are incorrect. Flybys are the missions in which the spacecraft passed near the Moon but did not get into an orbit around it. These were either designed to study the Moon from a distance or were on their way to some other planetary body or deep space exploration. Rovers are special wheeled payloads on the lander that can detach themselves from the spacecraft and move around on the moon's surface, collecting very useful information that instruments within the lander would not be able to obtain.

Statement 2 is correct. Landers missions involve the soft landing of the spacecraft on the Moon.

Source: [ForumIAS](#)

Q.2) Which of the following is the aim of “Sagar Sampark” system?

- a) It is a collaborative initiative that harnesses cutting-edge technologies to facilitate the exploration of deep-sea minerals.
- b) It is a terrestrial based enhancement system that corrects the errors and inaccuracies in the Global Navigation Satellite System (GNSS) and provides more accurate positioning information.
- c) It is a comprehensive early warning system that has been developed to detect and monitor storms in the sea, providing crucial alerts to both fishermen and residents of coastal regions.
- d) It is a highly advanced device developed by the Indian Navy with the explicit purpose of equipping submarines and naval vehicles with it.

Answer: B

Explanation – The Union Minister of Ports, Shipping and Waterways has inaugurated the indigenous Differential Global Navigation Satellite System (DGNSS) called ‘SAGAR SAMPARK’. It is a terrestrial based enhancement system that corrects the errors and inaccuracies in the Global Navigation Satellite System (GNSS) and provides more accurate positioning information.

Source: [ForumIAS](#)

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Q.3) With reference to “PBW RS1”, a new variety wheat, consider the following statements:

1. It has been developed by Indian Council of Agricultural Research (ICAR).
2. It is resistant to yellow rust and moderately resistant to brown rust fungal diseases.
3. It has a higher productivity compared to other wheat varieties of Punjab.

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: C

Explanation –

Statements 1 and 3 are incorrect. PBW RS1 has been developed by Punjab Agricultural University (PAU). It has lower productivity compared to other wheat varieties of Punjab.

Statement 2 is correct. PBW RS1 is resistant to yellow rust and moderately resistant to brown rust fungal diseases.

Source: [ForumIAS](#)

Q.4) With reference to Money Muling, consider the following statements:

1. Money muling is a financial practice that involves banks assisting in the transfer of funds between accounts.
2. Money Mule Actions are linked to cybercrime.

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

Statement 1 is incorrect. Money muling refers to the illegal act of using individuals, often unwittingly or under false pretenses, to transfer money or goods acquired through criminal activities. This method is used by criminals to evade detection and make it harder for authorities to trace the illicit funds back to their source.

Statement 2 is correct. Money Mule Actions are commonly associated with various types of financial crimes, such as money laundering, fraud, and cybercrime.

Source: [ForumIAS](#)

Q.5) With reference to Critical Minerals, consider the following statements:

1. Lithium is used in electric vehicles, batteries and other energy storage solutions.
2. Titanium is used in mobile phones, bicycles and prosthetics.
3. Tantalum is used in electrolytic capacitors and corrosion resistant chemicals.

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 –

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Statements 1, 2 and 3 are correct. Lithium is used in electric vehicles, batteries and other energy storage solutions. Titanium is used in mobile phones, bicycles and prosthetics. Tantalum is used in electrolytic capacitors and corrosion resistant chemicals.

Source: [ForumIAS](#)

Q.6) Consider the following statements:

1. The members of United Nation Security Council (UNSC) are more than the members of United Nations Human Rights Council (UNHRC).
2. While the resolutions of UNSC are legally binding on member states, decisions of UNHRC are non-binding.
3. The UNSC primarily focuses on matters of international peace and security.

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. The UNSC has 15 members while the UNHRC consists of 47 member states.

Statements 2 and 3 are correct. While the resolutions of UNSC are legally binding on member states, decisions of UNHRC are non-binding. The UNSC primarily focuses on matters of international peace and security.

Source: [ForumIAS](#)

Q.7) With reference to “Atal Vayo Abhyuday Yojana” consider the following statements:

1. Ministry of Social Justice & Empowerment is the nodal ministry for implementing the scheme.
2. It is a centrally sponsored scheme.
3. It aims to improve the quality of life of the Senior Citizens.

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 Social Justice & Empowerment is the nodal ministry for implementing the Atal Vayo Abhyuday Yojana. It aims to improve the quality of life of the Senior Citizens.

Statement 2 is incorrect. It is a centrally sector scheme.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.8) With reference to Chandrayaan-3 Mission, consider the following statements:

1. The success of Chandrayaan-3 will make it the second surface mission closest to the lunar south pole.
2. The mission holds significant importance, as establishing permanent moon bases has become a geopolitical goal worldwide.
3. The Chandrayaan-3, which consists of a lander, rover and propulsion module, can't travel to space on its own.

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 success of Chandrayaan-3 will make it the first surface mission closest to the lunar south pole.

Statements 2 and 3 are correct. The mission holds significant importance, as establishing permanent moon bases has become a geopolitical goal worldwide. The Chandrayaan-3, which consists of a lander, rover and propulsion module, can't travel to space on its own. It needs to be attached with the launch vehicles.

Source: [ForumIAS](#)

Q.9) With reference to Results-Based Financing (RBF) consider the following statements:

1. It is a funding approach that rewards service providers based on the amount of time and effort they put into their work, regardless of the actual results achieved.
2. Development Impact Bonds (DIBs) are a type of RBF.
3. It seeks to improve the effectiveness and efficiency of social and development programs.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statement 1 is incorrect. RBF is an approach to financing and delivering services that focuses on achieving specific results or outcomes rather than solely on inputs or activities. It is often used in the context of social and development programs, particularly in sectors such as health, education, and water and sanitation.

Statements 2 and 3 are correct. Common forms of RBF include Social Impact Bonds (SIB), Development Impact Bonds (DIB), Conditional Cash Transfers (CCT), and Outcome-Linked Interest Rate Loans. RBF seeks to improve the effectiveness and efficiency of social and development programs by linking funding to the achievement of specific results or outcomes.

Source: [ORF](#)

10 PM Compilation for the Month of July 2023

Q.10) With reference to the Consumer Price Index (CPI) consider the following statements:

1. CPI basket includes outdated items which have minimal significance in the overall CPI calculation.
2. India has a significant weightage of food in the CPI compared to other developed countries.

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. CPI basket includes outdated items which have minimal significance in the overall CPI calculation, e.g., torches, radios, tape recorders, CDs, etc. India still has a significant weightage of food in the CPI compared to other developed countries.

Source: [ForumIAS](#)

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PRELIMS

Q.1) With reference to “Tele Law Initiative” consider the following statements:

1. It is a program that uses telepathy to communicate legal advice and information to individuals remotely.
2. A dedicated Tele Law dashboard has been developed to capture real-time data on the nature of cases registered & advice enabled.

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 Tele Law Initiative was launched by the Department of Justice in 2017. It is an e-interface mechanism to seek legal advice and consultation at a pre-litigation stage with the aim of ‘Reaching the Unreached’.

Statement 2 is correct. A dedicated Tele Law dashboard has been developed to capture real-time data on the nature of cases registered & advice enabled.

Source: [ForumIAS](#)

Q.2) With reference to “Sangam Age” consider the following statements:

1. During the Sangam Age, the Tamil kingdoms were ruled by a central monarchy headed by a king and operated under a highly centralized form of leadership.
2. The first Sangam was held at Kapadapuram.
3. Tolkappiyam is the earliest of the Tamil literatures.

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 Sangam Age, the Tamil kingdoms were largely decentralized and governed by assemblies of local chieftains and leaders. These assemblies played a significant role in decision-making and governance, and power was distributed among various regional rulers. The first Sangam was held at Madurai.

Statement 3 is correct. Tolkappiyam authored by Tolkappiyar is the earliest of Tamil literature. It is a work on Tamil grammar but it provides information on the political and socioeconomic conditions of the Sangam period.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.3) With reference to “Kaas Plateau” consider the following statements:

1. It is a man-made botanical garden where artificial flowers are meticulously arranged to create an illusion of a natural landscape.
2. It is located on the Western Ghats in Maharashtra.

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. Kaas Plateau is a natural plateau known for its diverse and vibrant display of wildflowers that bloom naturally during the monsoon season.

Statement 2 is correct. Kaas Plateau is located on the Western Ghats in Maharashtra.

Source: [ForumIAS](#)

Q.4) Consider the following statements with respect to Anthropocene epoch:

1. The Anthropocene epoch has sparked debate regarding the necessity for sustainable practices, conservation initiatives, and reducing the detrimental effects of human activity on the earth.
2. The epoch is associated with natural climatic variations and the onset of multiple ice ages, characterized by the advance and retreat of continental glaciers.

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 Anthropocene epoch has sparked debate regarding the necessity for sustainable practices, conservation initiatives, and reducing the detrimental effects of human activity on the earth.

Statement 2 is incorrect. The Anthropocene epoch is defined by the significant impact of human activities on the Earth's ecosystems, landscapes, and geological processes. It is primarily attributed to factors such as industrialization, urbanization, deforestation, pollution, and the burning of fossil fuels.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.5) With reference to Siachen glacier, consider the following statements:

1. It is located in the Eastern Karakoram range in the Himalayas.
2. The glacier serves as a crucial source of freshwater for the surrounding region.
3. It is the second-highest battlefield in the world.

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. Siachen glacier is located in the Eastern Karakoram range in the Himalayas. The glacier serves as a crucial source of freshwater for the surrounding region. It contributes to the flow of several rivers, including the Nubra River, Shyok River, and the Indus River.

Statement 3 is incorrect. It is the highest battlefield in the world.

Source: [ForumIAS](#)

Q.6) Consider the following statements:

1. Polymers are microscopic organisms found in nature, similar to bacteria and fungi, and they play a vital role in decomposing organic matter.
2. Natural polymers are found in plants and animals.

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. Polymers are large molecules composed of repeating structural units called monomers. These monomers are chemically bonded together to form a long chain-like structure, giving polymers their characteristic properties.

Statement 2 is correct. Polymers are categorized into three categories: Natural, Semi-synthetic and Synthetic. Natural polymers are found in plants and animals. Examples are proteins, cellulose, starch, some resins and rubber.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.7) Consider the following statements with respect to Carbon Border Adjustment Mechanism (CBAM):

1. CBAM mainly targets finished goods rather than raw material.
2. CBAM will generate more revenue for the EU and/or force exporters of the developing countries to squeeze their profit margins and wages to reduce 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: B

Explanation –

Statement 1 is incorrect. CBAM mainly targets raw materials rather than finished goods.

Statement 2 is correct. CBAM will generate more revenue for the EU and/or force exporters of the developing countries to squeeze their profit margins and wages to reduce costs.

Source: [ForumIAS](#)

Q.8) With reference to Open Market Sale Scheme-Domestic (OMSS-D) consider the following statements:

1. Under the scheme, the government has decided to control the volatility of the tomatoes in the market through strategic interventions.
2. The scheme aims at stabilizing price and acts as a measure to curb food grain inflation.
3. The scheme has also allowed the state governments to procure rice and wheat from the central government.

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 3 are incorrect. OMSS-D refers to selling of food grains by Food Corporation of India (FCI) at a predetermined prices in the open market from time to time. Under the scheme, the central government has recently discontinued the sale of rice and wheat from the central pool to State governments.

Statement 2 is correct. OMSS-D aims at stabilizing price and acts as a measure to curb food grain inflation.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.9) With reference to Co-operatives, consider the following statements:

1. Cooperatives are people-centric organizations as they operate with a focus on people rather than capital.
2. Cooperation holds immense potential to ensure comprehensive economic growth.

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. Cooperatives are people-centric organizations as they operate with a focus on people rather than capital. Cooperation holds immense potential to ensure comprehensive economic growth.

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

Q.10) Which of the following describes Engel's Law?

- a) The law states that as a firm increases the input of one factor of production while keeping other inputs constant, the resulting increase in output will eventually diminish.
- b) The law states that for certain inferior goods, as the price of the good increases, the quantity demanded also increases.
- c) The law states that individuals, firms, or countries should specialize in producing goods or services for which they have a lower opportunity cost compared to others.
- d) The law states that as household income increases, the proportion of income allocated to food expenditure decreases, while the proportion allocated to other goods and services, such as housing, transportation, increases.

Answer: D

Explanation – Engel's Law states that as household income increases, the proportion of income allocated to food expenditure decreases, while the proportion allocated to other goods and services, such as housing, transportation, increases.

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

PRELIMS

Q.1) Consider the following statements regarding Scorpene submarines:

1. They use diesel electric propulsion systems, with the ability to operate independently without refueling for approximately 50 days.
2. They are versatile submarines that can perform a range of tasks in coastal and open waters whereas the primary objective of Cruise Missile Submarines is to carry and launch cruise missiles.
3. They are designed for long-range strikes while Cruise Missile Submarines have a limited range.

Which of the statements given above is/are correct?

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

Answer: A

Explanation –

Statements 1 and 2 are correct. Scorpene submarines use diesel electric propulsion systems, with the ability to operate independently without refueling for approximately 50 days. Scorpene submarines are versatile submarines that can perform a range of tasks in coastal and open waters whereas the primary objective of Cruise Missile Submarines is to carry and launch cruise missiles.

Statement 3 is incorrect. Scorpene class submarines typically have a limited range, suited for operations in coastal and nearby open waters. Their weapons are designed for shorter-range engagements. Cruise Missile Submarines are designed for long-range strikes.

Source: [ForumIAS](#)

Q.2) With reference to different payloads of Chandrayaan-3, consider the following statements:

1. Chandra's Surface Thermophysical Experiment (ChaSTE) aims to estimate the plasma density and its variations of the lunar surface.
2. Instrument for Lunar Seismic Activity (ILSA) will measure the thermal conductivity and temperature on the lunar surface.

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. Chandra's Surface Thermophysical Experiment (ChaSTE) aims to measure the thermal conductivity and temperature on the lunar surface. Instrument for Lunar Seismic Activity (ILSA) will measure the seismicity around the landing site.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.3) Which of the following is the objective of MISHTI Scheme?

- a) The goal is to promote inclusivity in the pension system by ensuring a fair and accessible pension system to all elderly individuals.
- b) Its aim is to undertake comprehensive projects for the reforestation and afforestation of mangrove ecosystems along the coastal districts of India.
- c) Its aim is to promote the installation of solar panels in households by providing subsidies.
- d) Its objective is to revitalize rural public hospitals and improve their capabilities by augmenting the number of physicians and beds.

Answer: B

Explanation – Mangrove Initiative for Shoreline Habitats and Tangible Incomes (MISHTI) scheme was announced in the Budget 2023-24. Its objective is to take up mangrove reforestation and afforestation along the coastal districts of India by adopting best practices that already exist in India as well as from other countries including Indonesia.

Source: [ForumIAS](#)

Q.4) Consider the following statements with respect to handicrafts of India:

- 1. Namda art involves the creation of intricate and colorful decorative items using paper pulp.
- 2. The government has launched a project to revive the Namda craft under a Skill India's Pilot Project as part of the Pradhan Mantri Kaushal Vikas Yojana (PMKVY).

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. Namdas are felted woolen rugs crafted in Kashmir. They are made by compressing layers of wool fibers and then shaping them into various designs using hand tools. It is made of sheep wool through felting technique instead of the normal weaving process.

Statement 2 is correct. The government has launched a project to revive the Namda craft under a Skill India's Pilot Project as part of the Pradhan Mantri Kaushal Vikas Yojana (PMKVY).

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.5) Consider the following statements:

1. The idea of Farmer Producer Organisations (FPO) was conceived by the Yogendra Alagh Committee.
2. Agriculture, animal husbandry and fisheries sectors are the backbone of the country's economy and strengthening them will strengthen the country's economy.
3. Over the past decade, there has been a significant reduction in the budgetary allocation for the agricultural sector.

How many of the above statements are correct?

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

Answer: B

Statements 1 and 2 are correct. The idea of Farmer Producer Organisations (FPO) was conceived by the Yogendra Alagh Committee in 2003. Agriculture, animal husbandry and fisheries sectors are the backbone of the country's economy and strengthening them will strengthen the country's economy.

Statement 3 is incorrect. The budget allocation for the agriculture sector has increased by 5.6 times. In 2013-14, the agriculture budget was Rs 21,000 crore, it has now increased to Rs 1.15 lakh crore in the year 2023-24.

Source: [ForumIAS](#)

Q.6) With reference to Vector Borne Diseases, consider the following statements:

1. These are illnesses caused by pathogens such as viruses, bacteria, or parasites that are transmitted to humans or animals through the bite of infected vectors.
2. The burden of these diseases is highest in tropical and subtropical areas.
3. Vector Borne Diseases can also occur through the environmental exposure.

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. Vector Borne Diseases are illnesses caused by pathogens such as viruses, bacteria, or parasites that are transmitted to humans or animals through the bite of infected vectors. The burden of these diseases is highest in tropical and subtropical areas, and they disproportionately affect the poorest populations.

Statement 3 is incorrect. Vector Borne Diseases cannot occur through the environmental exposure because there is a need for vector such as mosquitoes, ticks, fleas, or flies for the occurrence of the Vector Borne Diseases.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.7) With reference to the Export Preparedness Index (EPI) consider the following statements:

1. The index is released by Nity Aayog.
2. Business Ecosystem is one of the pillars used in the index to assess the performance of states and UTs.

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. EPI is released by Nity Aayog. The index assesses the performance of the States and UTs across four pillars: Policy Pillar, Business Ecosystem, Export Ecosystem and Export Performance.

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

Q.8) Consider the following statements:

1. India heavily relies on imported energy, particularly oil and gas.
2. Renewable energy deployment has increased significantly in India.
3. Natural gas accounts for approximately 15.5% of India's overall energy consumption, significantly higher the global average.

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 heavily relies on imported energy, particularly oil and gas. Renewable energy deployment has increased significantly in India.

Statement 3 is incorrect. Natural gas accounts for approximately 6-7% of India's overall energy consumption, far less than the worldwide average of 25%.

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

Q.9) Consider the following statements:

1. Apollo 11 was the first manned moon mission.
2. Change's 3 was world's first spacecraft to soft land on moon.
3. South Korea has also made attempts for soft landing on moon.

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 –

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Statement 1 and 3 are correct. Apollo 11 was the first manned moon mission. South Korea, Japan, EU, UAE, Israel and Luxembourg have made attempts for landing on moon.

Statement 2 is incorrect. Luna 2 was first space craft that hard landed on moon whereas Lunc 9 was the first spacecraft that soft-landed on moon. These both belonged to Soviet Union.

Source: [The Times of India](#)

Q.10) With reference to Guillain-Barré Syndrome, consider the following statements:

1. It is a rare neurological disorder where the body's immune system which normally protects it from infections and other foreign bodies mistakenly attacks its own peripheral nerve cells.
2. Acute motor axonal neuropathy, a type of Guillain-Barré Syndrome, is the most common form found in North America and Europe.

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. Guillain-Barré Syndrome is a rare neurological disorder where the body's immune system which normally protects it from infections and other foreign bodies mistakenly attacks its own peripheral nerve cells.

Statement 2 is incorrect. Acute motor axonal neuropathy, a type of Guillain-Barré Syndrome, is the most common form found in China, Japan, and Mexico.

Source: [ForumIAS](#)

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PRELIMS

Q.1) With reference to Bharat New Car Assessment Programme (NCAP) consider the following statements:

1. As part of the programme, cars will be crash-tested and given points which in turn would translate into stars.
2. Bharat NCAP is mandatory for all car makers.
3. Implementing Bharat NCAP will bring India at par with other parts of the world like the US.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are correct. As part of the Bharat NCAP, cars will be crash-tested and given points which in turn would translate into stars. Implementing Bharat NCAP will bring India at par with other parts of the world like the US.

Statement 2 is incorrect. Bharat NCAP will be rolled out from 1 October but it will be voluntary, so cars will only be tested at the request of makers.

Source: [ForumIAS](#)

Q.2) Consider the following statements:

1. Lightning is not categorized as a Natural Disaster in India.
2. India does not have an early warning system for lightning.
3. The frequency of lightning was the highest in northeastern States in 2021.

Which of the statements given above is/are correct?

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

Answer: B

Explanation –

Statements 1 and 3 are correct. Lightning is not categorized as a Natural Disaster in India. The frequency of lightning was the highest in northeastern States and in West Bengal, Sikkim, Jharkhand, Odisha and Bihar in 2021.

Statement 2 is incorrect. India is among only five countries in the world that has an early warning system for lightning — the forecast is available from five days to up to three hours.

Source: [ForumIAS](#)

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Q.3) With reference to Standing Committee on Statistics (SCoS) consider the following statements:

1. Its mandate is to advise the Ministry of Statistics and Programme Implementation (MoSPI) on technical aspects for all surveys, such as sampling, design, survey methodology and finalization of results.
2. The committee has 10 official members and four non-official members who are eminent academics.

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 MoSPI has replaced the Standing Committee on Economic Statistics (SCES) with a Standing Committee on Statistics (SCoS). Its mandate is to advise the Ministry of Statistics and Programme Implementation (MoSPI) on technical aspects for all surveys, such as sampling, design, survey methodology and finalization of results. The committee has 10 official members and four non-official members who are eminent academics. It can have up to 16 members.

Source: [ForumIAS](#)

Q.4) Consider the following statements:

1. Cloud storage is a physical storage solution that stores individual's data on individual servers located in their local areas.
2. The onus of ensuring data security lies with the companies providing the cloud storage.
3. Cloud storage services often have built-in backup and recovery mechanisms.

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. Cloud storage refers to a service that allows you to store and access data over the internet on remote servers rather than on your local computer or storage device.

Statements 2 and 3 are correct. The onus of ensuring data security lies with the companies providing the cloud storage. Cloud storage services often have built-in backup and recovery mechanisms.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.5) With reference to Hoolock Gibbon, consider the following statements:

1. It is the only ape found in India.
2. In India, they are confined to the Western Ghats.
3. They are famous for their loud holou calls and duets which both male and female of a group indulge in.
4. They face threat primarily from the felling of trees for infrastructure Projects.

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, 3 and 4 are correct. Hoolock Gibbon is the only ape found in India. They are famous for their loud holou calls and duets which both male and female of a group indulge in. They face threat primarily from the felling of trees for infrastructure Projects.

Statement 2 is incorrect. In India, they are confined to the seven states of northeast India with Brahmaputra as the distribution boundary. They form an arboreal species and prefer to live in canopies of the evergreen forests in northeast India.

Source: [ForumIAS](#)

Q.6) Consider the following statements:

1. Indonesia has emerged as India's largest trading partner in the ASEAN region.
2. India – Indonesia Economic and Financial Dialogue (EFD) aims to enhance collaboration on bilateral and international economic and financial matters by bringing together economic policymakers and financial regulators from both countries.

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. Indonesia has emerged as India's largest trading partner in the ASEAN region, with our trade seeing an eightfold increase since 2005, reaching an impressive \$38 billion in FY 2022-23. India – Indonesia Economic and Financial Dialogue (EFD) aims to enhance collaboration on bilateral and international economic and financial matters by bringing together economic policymakers and financial regulators from both countries.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.7) With reference to Western Ghats Spatial Decision Support System (WGSDSS) consider the following statements:

1. The objective of the system is to identify suitable regions within the ghats that can be utilized for industrial development projects while ensuring the preservation of the natural ecosystem.
2. It has been launched by the Indian Institute of Science's Energy and Wetlands Research Group.

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. WGSDSS is a web portal that has been designed as part of the ongoing ecological research in the Western Ghats. The portal is meant to provide information/changes occurring in the western ghats as a consequence of climate change or human interventions.

Statement 2 is correct. WGSDSS has been launched by the Indian Institute of Science's Energy and Wetlands Research Group.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. Perovskite materials are primarily used in the field of agriculture for crop fertilization.
2. Perovskite Solar Cells (PSC) offer a promising alternative to traditional silicon solar cells as they have higher efficiencies and very low production 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: B

Explanation –

Statement 1 is incorrect. Perovskite refers to a class of materials that have a specific crystal structure named after the mineral perovskite. Perovskite materials have gained significant attention and research interest in recent years, particularly in the field of optoelectronics and photovoltaics. They have demonstrated exceptional properties for applications in solar cells, light-emitting diodes (LEDs), photodetectors, and other electronic devices.

Statement 2 is correct. PSC offer a promising alternative to traditional silicon solar cells as they have higher efficiencies and very low production costs.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.9) Consider the following statements:

1. The degrees of axial tilt of the moon with the sun is same as the Earth's axial tilt.
2. The surface in the equatorial region of the moon is relatively even, with fewer steep slopes, hills, or craters compared to its polar region.
3. In certain parts of the lunar polar regions, there is no sunlight.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statement 1 is incorrect. Unlike Earth, which has a tilt of 23.5 degrees, the Moon's axis tilts only 1.5 degrees.

Statements 2 and 3 are correct. The surface in the equatorial region of the moon is relatively even, with fewer steep slopes, hills, or craters compared to its polar region. In certain parts of the lunar polar regions, there is no sunlight.

Source: [DNA](#)

Q.10) With reference to the Colombo Security Conclave (CSC) consider the following statements:

1. Its aim is to establish a forum that fosters enhanced collaboration in maritime security and tackles various issues including narco-trafficking, human trafficking, piracy, terrorism, and extremism.
2. India is one of the members of conclave.

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 aim of CSC is to establish a forum that fosters enhanced collaboration in maritime security and tackles various issues including narco-trafficking, human trafficking, piracy, terrorism, and extremism. The members of CSC are – India, Sri Lanka, Maldives, and Mauritius while observer states are Bangladesh and Seychelles.

Source: [ORF](#)

PRELIMS

Q.1) Consider the following statements:

1. India is the world's second largest steel producer.
2. Indore became the first city in the country to get a processed steel slag road.
3. Steel slag road costs are cheaper than conventional making of roads.

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. India is the world's second largest steel producer. Steel slag road costs are about 30% cheaper than conventional making of roads.

Statement 2 is incorrect. Surat became the first city in the country to get a processed steel slag road.

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

Q.2) With reference to the National Multidimensional Poverty Index 2023, consider the following statements:

1. It has been published by the Central Statistics Office (CSO).
2. As per the index, Uttar Pradesh has registered the largest decline in the number of poor.
3. As per the index, no other state in India has more than one-third of its population living in multidimensional poverty except 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: B

Explanation –

Statement 1 is incorrect. National Multidimensional Poverty Index 2023 has been released by Niti Aayog.

Statements 2 and 3 are correct. As per the index, Uttar Pradesh has registered the largest decline in the number of poor. As per the index, no other state in India has more than one-third of its population living in multidimensional poverty except Bihar.

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

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Q.3) With reference to Foreign Inward Remittance Certificate (FIRC) consider the following statements:

1. It is a document issued by the government of India to facilitate the transfer of funds from an Indian bank account to a foreign beneficiary.
2. It contains essential information such as the beneficiary's name, sender's details, the amount of remittance, purpose of remittance, and the date of the transaction.

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. FIRC is a document that acts as a testimonial for all the inward remittances entering India. It serves as evidence of money transferred from a foreign country to an individual or organization's bank account in India.

Statement 2 is correct. FIRC contains essential information such as the beneficiary's name, sender's details, the amount of remittance, purpose of remittance, and the date of the transaction.

Source: [ForumIAS](#)

Q.4) The Supreme Court has issued new guidelines on designating lawyers as Senior Advocates in the apex court. With reference to these guidelines, consider the following statements:

1. As per the guidelines, all matters relating to the designation of Senior Advocates in the Supreme Court of India shall be dealt by Chief Justice of India in consultation with the President of India.
2. The candidates need to be at least ten years' standing as an Advocate or ten years' combined standing as an Advocate and as a District and Sessions Judge or as a Judicial Member of any Tribunal in India to become eligible to be designated as the senior Advocate at the Supreme Court.

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. As per the guidelines, all matters relating to the designation of Senior Advocates in the Supreme Court of India shall be dealt with by a Permanent Committee. The committee will be composed of the following: (1) Chief Justice of India Chairperson (2) Two senior-most Judges of the Supreme Court of India (3) Attorney General for India (4) A member of the Bar, nominated by the Chairperson and Members.

Statement 2 is correct. The candidates need to be at least ten years' standing as an Advocate or ten years' combined standing as an Advocate and as a District and Sessions Judge or as a

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Judicial Member of any Tribunal in India to be designated as Senior Advocates at the Supreme Court to become eligible to be designated as the senior Advocate.

Source: [ForumIAS](#)

Q.5) With reference to Crimean-Congo Hemorrhagic Fever (CCHF) consider the following statements:

1. It is a bacterial infection transmitted through contaminated food and water sources.
2. It can also be transmitted from one infected human to another.
3. It has a low fatality rate.
4. It is endemic in many parts of Africa.

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 3 are incorrect. CCHF is a viral haemorrhagic fever usually transmitted by ticks. It has a high fatality ratio.

Statements 2 and 4 are correct. CCHF can also be transmitted from one infected human to another by contact with infectious blood or body fluids such as sweat and saliva. It is endemic in many parts of Africa, Asia, the Middle East, and Europe.

Source: [ForumIAS](#)

Q.6) With reference to Electronic Bank Realization Certificate (e-BRC) consider the following statements:

1. The certificate is provided by banks to individuals who withdraw money from their personal accounts in order to take advantage of government's healthcare scheme benefits.
2. e-BRC is essential financial information and economic indicator source.

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. e-BRC is a vital digital certificate for export businesses. A bank issues the e-BRC to confirm that the buyer made payment to the exporter against the export of services or goods.

Statement 2 is correct. It is initiative by the Directorate General of Foreign Trade (DGFT) to digitize and systematically record foreign trade transactions. Hence, e-BRC is essential financial information and economic indicator source.

Source: [ForumIAS](#)

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Q.7) With reference to Comprehensive Economic Partnership Agreement (CEPA) between Indian and the UAE, consider the following statements:

1. It aims to facilitate higher investment flows for both countries, and ensure mutually beneficial and guarantee a maximum advantage in trade for both countries.
2. Service exports are a major component of the deal.
3. The CEPA enables companies in both countries to access government procurement.

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. CEPA aims to facilitate higher investment flows for both countries, and ensure mutually beneficial and guarantee a maximum advantage in trade for both countries. Service exports are a major component of the deal. The CEPA enables companies in both countries to access government procurement.

Source: [ForumIAS](#)

Q.8) “Local Currency Settlement System” was seen in the news recently, is associated with

- a) Facilitating cross-border transactions between two countries by allowing the use of their respective domestic currencies.
- b) Strengthening the monetary policy tools employed by the Reserve Bank of India (RBI).
- c) Reducing the quantity of US dollars held in the foreign exchange reserves
- d) Establishing a strong and effective arbitration resolution mechanism within India.

Answer: A

Explanation – The Local Currency Settlement System (LCSS) is a framework that facilitates cross-border transactions between two nations, allowing the transactions to be conducted using their respective domestic currencies. Recently, India and the UAE have planned to come up with such system.

Source: [ForumIAS](#)

Q.9) With reference to the Small Modular Reactors (SMRs) Technology, consider the following statements:

1. SMRs are advanced nuclear reactors with a maximum capacity of 300 MW per unit.
2. These are bigger in size and have a higher power output compared to conventional reactors.
3. SMRs only need refueling every 3-7 years.

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. SMRs are advanced nuclear reactors with a maximum capacity of 300 MW per unit. Unlike traditional reactors that require refueling every 1-2 years, SMRs only need refueling every 3-7 years.

Statement 2 is incorrect. SMRs are smaller in size and have a lower power output compared to conventional reactors.

Source: [ForumIAS](#)

PRELIMS

Q.1) Consider the following statements:

1. Income is one of the indicators used in calculating the National Multidimensional Poverty Index.
2. As per the National Multidimensional Poverty (MDP) 2023, southern states have witnessed a small reduction in poverty.

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. Niti Aayog's National Multidimensional Poverty Index is modeled on the Global Multidimensional Poverty Index. There are 12 indicators used under three dimensions: health, education and living standards.

Statement 2 is correct. As per the National Multidimensional Poverty (MDP) 2023, the southern states have witnessed a small reduction in poverty because they were already doing well.

Source: [ForumIAS](#)

Q.2) With reference to Mekong Ganga Cooperation (MGC) consider the following statements:

1. It is an initiative by India and five ASEAN countries.
2. The grouping was initially called Bodh Abhyasa Programme (BASP).
3. It is a trade bloc that restricts economic cooperation with countries outside the region.

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: A

Explanation –

Statement 1 is correct. MGC is an initiative by India and five ASEAN countries, namely, Cambodia, Lao PDR, Myanmar, Thailand and Vietnam.

Statements 2 and 3 are incorrect. The grouping was initially called Ganga Suvarnabhumi Programme (GMSP). It aims to promote cultural, economic, and people-to-people exchanges and strengthen cooperation among the member countries.

Source: [ForumIAS](#)

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Q.3) With reference to radio collars used for animals, consider the following statements:

1. With the help of Satellite Collar IDs, the wildlife officials can closely track animals' locations, activities and health.
2. The GPS used in the collars is different to that used in smartphones and other electronic devices.
3. These radio collars serve as a warning system for the animals, notifying them of potential adversaries.

How many of the statements given above are correct?

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

Answer: A

Explanation –

Statement 1 is correct. With the help of Satellite Collar IDs, the wildlife officials can closely track animals' location, travels, activities and health.

Statements 2 and 3 are incorrect. The GPS in the collars is similar to that used in smartphones and other electronic devices. Statement 3 is incorrect as there is no such system provided in collars.

Source: [ForumIAS](#)

Q.4) Consider the following statements:

1. The Hubble Constant represents the gravitational force exerted by the Hubble Space Telescope on celestial objects.
2. The value of the Hubble Constant has been a subject of scientific investigation and refinement over the years.
3. Gravitational lensing is one of the proposed methods used to measure Hubble Constant.

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 Hubble constant is a unit that describes how fast the universe is expanding at different distances from a particular point in space. It is a fundamental parameter in cosmology that represents the rate at which the universe is expanding.

Statements 2 and 3 are correct. The value of the Hubble Constant has been a subject of scientific investigation and refinement over the years. Gravitational lensing is one of the proposed methods used to measure Hubble Constant.

Source: [ForumIAS](#)

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Q.5) With reference to Advance Authorisation Scheme, consider the following statements:

1. The scheme allows duty-free import of inputs for export purposes.
2. Directorate General of Foreign Trade (DGFT) is implementing the Advance Authorisation Scheme under the Foreign Trade Policy.

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. Advance Authorisation Scheme allows duty-free import of inputs for export purposes. DGFT is implementing the Advance Authorisation Scheme under the Foreign Trade Policy.

Source: [ForumIAS](#)

Q.6) With reference to “DPT3 Vaccine” consider the following statements:

1. As per the WHO, the coverage rate for DPT3 vaccine recovered to the pre-pandemic level in South-East Asia Region.
2. The DPT vaccine protects against Dengue, Polio, and Tuberculosis.

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. As per the WHO, the coverage rate for DPT3 vaccine recovered to the pre-pandemic level in South-East Asia Region. As per the estimate, the coverage rate for DPT3 vaccine in India rose to an all-time high of 93% in 2022. This has surpassed the previous pre-pandemic best of 91% recorded in 2019.

Statement 2 is incorrect. The DPT vaccine protects against three different infectious diseases, namely, Diphtheria, Pertussis (whooping cough), and Tetanus.

Source: [ForumIAS](#)

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Q.7) With reference to the Export Preparedness Index (EPI) 2022, consider the following statements:

1. Haryana topped the index among the landlocked regions.
2. The index has been released by the Reserve Bank of India (RBI).
3. The index aims to undertake a comprehensive analysis of States and UTs across export-related parameters in order to identify their strengths and weaknesses.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statements 1 and 3 are correct. Haryana has topped the index among the landlocked regions. The index aims to undertake a comprehensive analysis of States and UTs across export-related parameters in order to identify their strengths and weaknesses.

Statement 2 is incorrect. The index has been released by Niti Aayog.

Source: [ForumIAS](#)

Q.8) Which of the following is connected by the Bosphorus Strait?

- a) the Black Sea and the Sea of Marmara
- b) the Andaman Sea and the South China Sea
- c) the Arctic Ocean and the North Atlantic Ocean
- d) the Sea of Japan and the Pacific Ocean

Answer: A

Explanation –The Bosphorus Strait, also known as the Istanbul Strait, is a narrow waterway in Turkey that connects the Black Sea to the Sea of Marmara.

Source: [ForumIAS](#)

Q.9) With reference to Genetically modified (GM) crops, consider the following statements:

1. GM crops are a major cause of environmental pollution and are responsible for the decline in bee populations worldwide.
2. India does not yet have a well-established regulatory framework in place to control and supervise the introduction and cultivation of GM crops.
3. Golden rice is a type of GM crop.

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. While there are environmental risks associated with GM crops, GM crops are not a major cause of environmental pollution. There is also no scientific evidence to prove that GM crops are responsible for the decline in bee populations worldwide.

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India has a well-established regulatory framework in place to control and supervise the introduction and cultivation of GM crops, e.g., The Genetic Engineering Appraisal Committee (GEAC), ICAR and various other rules and regulations are already in place.

Statement 3 is correct. In some parts of Asia, a genetically modified version of rice known as Golden Rice has been developed. This rice is modified to produce beta-carotene, a precursor of vitamin A, in the edible parts of the rice plant. This is intended to combat vitamin A deficiency.

Source: [ForumIAS](#)

Q.10) Consider the following statements:

1. Prisoners are not entitled to the right to privacy guaranteed by Article 21, as they have been convicted under the law.
2. Uttar Pradesh is the first state to use drones in prisons in India.

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 right to privacy guaranteed by Article 21 is available to prisoners also.

Statement 2 is correct. Uttar Pradesh is the first state to use drones in prisons in India.

Source: [LiveLaw](#)

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PRELIMS

Q.1) Consider the following statements:

1. Henley Openness Index is a global ranking that measures the strength and travel freedom of passports from various countries.
2. India was ranked 94 out of a total of 97 ranks in Henley Openness Index 2023.

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. Henley Openness Index measures how many nations allow visa-free access to.

Statement 2 is correct. India was ranked 94 out of a total of 97 ranks in Henley Openness Index 2023.

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

Q.2) Consider the following statements:

1. Only 2% of nursing colleges are in the northeastern States.
2. There are no nursing colleges in 40 percent of districts across India.
3. The nurse-to-population ratio in India is at par with the global average.

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. Only 2% of nursing colleges are in the northeastern States. There are no nursing colleges in 40 percent of districts across India.

Statement 3 is incorrect. India currently has close to 35 lakh nurses, but its nurse-to-population ratio is only 2.06:1000 against a global benchmark of 3:1000.

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

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Q.3) With reference to CU- Chayan portal, consider the following statements:

1. It is an online portal launched by the central government to streamline the process of selecting government employees through inter departmental exams.
2. The portal provides a common platform for listing vacancies/advertisements for the vacant positions in the various government departments.

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. CU- Chayan portal has been launched by University Grants Commission (UGC). It is a unified recruitment portal designed and developed specifically for faculty recruitment in Central Universities. The portal provides a common platform for listing vacancies/advertisements/ faculty positions across all Universities. The Portal makes the recruitment process entirely online, from application to screening with alerts to all the portal users.

Source: [ForumIAS](#)

Q.4) Tankai method was seen in the news recently is associated with –

- a) Harvesting genetically modified crops
- b) Investments in infrastructure and public projects to stimulate economic growth
- c) Shipbuilding
- d) Organic farming

Answer: C

Explanation – The Tankai method is a 2000-year-old technique of shipbuilding. It is also known as 'stitched shipbuilding method'. Recently, The Ministry of Culture and Indian Navy have entered into a Memorandum of Understanding (MoU) to revive and preserve the 2000-year-old technique of shipbuilding known as the Tankai method.

Source: [ForumIAS](#)

Q.5) With reference to Ghaggar River, consider the following statements:

1. It is a perennial river.
2. It originates in the northern slopes of the Kailash Range in Tibet.
3. Kaushalya is one of the tributaries of Ghaggar River.

Which of the statements given above is/are correct?

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

Answer: D

Explanation –

Statements 1 and 2 are incorrect. Ghaggar River also known as Ghaggar-Hakra River, is an intermittent river in India and Pakistan that flows only during the monsoon season. It originates

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in the village of Dagshai in the Shivalik Hills of Himachal Pradesh and flows through Punjab, Haryana and Rajasthan.

Statement 3 is correct. The main tributaries of the Ghaggar are the Kaushalya, Tangri, Markanda, Beghna and Sukhna and Chautang.

Source: [ForumIAS](#)

Q.6) Consider the following statements with reference to Rudragiri Hillock:

1. It is located in Andhra Pradesh.
2. It features a unique combination of prehistoric rock paintings from the Mesolithic period and exquisite artwork from the Kakatiya dynasty.

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. Rudragiri Hillock is located in Guntur district of Andhra Pradesh. It is located in the Eastern Ghats and has five naturally formed rock shelters at its foothills that face westward. It features a unique combination of prehistoric rock paintings from the Mesolithic period and exquisite artwork from the Kakatiya dynasty, dating back to around 1300 AD.

Source: [ForumIAS](#)

Q.7) With reference to North Atlantic Treaty Organization (NATO) consider the following statements:

1. NATO is an alliance primarily focused on fostering military aggression and domination in the international arena.
2. The key principle of NATO is enshrined in Article 5 of the North Atlantic Treaty.
3. It was established during the Cold War in response to the threat posed by the Soviet Union.

Which of the statements given above is/are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. NATO is an intergovernmental military alliance formed to ensure collective defense and security among its member countries.

Statements 2 and 3 are correct. The key principle of NATO is enshrined in Article 5 of the North Atlantic Treaty. NATO was established during the Cold War in response to the threat posed by the Soviet Union.

Source: [ForumIAS](#)

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Q.8) Consider the following statements:

1. Tomatoes are grown only as kharif crops.
2. During the summer, Andhra Pradesh's Madanapalle area alone accounts for all tomato production in the country.
3. High seasonal price volatility of tomatoes may have impact on the overall Consumer Price Index (CPI).

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. Tomatoes are grown both as rabi and kharif crops.

Statements 2 and 3 are correct. During the summer, Andhra Pradesh's Madanapalle area alone accounts for all tomato production in the country. High seasonal price volatility of tomatoes may have impact on the overall Consumer Price Index (CPI).

Source: [ForumIAS](#)

Q.9) With reference to National Research Foundation (NRF) consider the following statements:

1. The NRF funds technological research.
2. Academics from both public and private universities are eligible for NRF funding.

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 NRF funds scientific research rather than technological research

Statement 2 is correct. Academics from both public and private universities are eligible for NRF funding.

Source: [ForumIAS](#)

Q.10) Consider the following statements:

1. India ranks as the third-largest carbon emitter worldwide.
2. Chemical fertilisers contribute to greenhouse gases, especially ammonia and nitrogen dioxide.
3. Rice cultivation contributes 10% of global methane emissions.

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 ranks as the third-largest carbon emitter worldwide. Per capita emissions in India are one-fifth the global average. Chemical fertilisers contribute to greenhouse gases, especially ammonia and nitrogen dioxide. Rice cultivation contributes 10% of global methane emissions. **Source:** [ForumIAS](#)

PRELIMS

Q.1) Consider the following statements:

1. Isthmus of Potidea connects the Crimean Peninsula with Ukraine.
2. The Kerch Bridge links the Russian mainland to the Crimean Peninsula in the Black Sea.
3. Kerch Strait connects the Black Sea and the Sea of Azov.

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 Isthmus of Perekop connects the Crimean Peninsula to Kherson Oblast in mainland Ukraine.

Statements 2 and 3 are correct. The Kerch Bridge links the Russian mainland to the Crimean Peninsula in the Black Sea. Kerch Strait connects the Black Sea and the Sea of Azov.

Source: [ForumIAS](#)

Q.2) With reference to Desiccation-tolerant vascular plants, consider the following statements:

1. Desiccation-tolerant vascular plants are a type of aquatic plants that thrive in waterlogged environments.
2. These plants are found in both temperate and tropical climates.
3. India is the only country in the tropical region where Desiccation-tolerant vascular plants are not found.

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 3 are incorrect. Desiccation-tolerant vascular (DT) plants are those plant species that are able to withstand extreme dehydration. They can lose up to 95% of their water content and can revive themselves once water is available again. A study has recently found 62 desiccation-tolerant vascular plant species in Western Ghats. Of these, 16 are endemic to India while 12 are exclusive to Western Ghats outcrops.

Statement 2 is correct. These plants are found in both flowering and non-flowering species and in both temperate and tropical climates.

Source: [ForumIAS](#)

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Q.3) Consider the following statements:

1. Zombie fires are wildfires that occur due to a viral outbreak, causing plants and trees to catch fire and spread uncontrollably.
2. Arctic amplification is a process in which the Arctic region experiences less warming compared to the rest of the Earth's surface due to the presence of ice and snow.

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. Zombie fires, also known as holdover fires or overwintering fires, refer to wildfires that persist underground or in smoldering peat layers during the winter or dormant period. These fires can reignite on the surface during the following spring or summer when the conditions become favorable. Arctic amplification refers to the phenomenon where the Arctic region experiences more significant warming compared to the rest of the Earth's surface.

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

Q 4. With reference to Heat Index, consider the following statements:

1. The Heat Index is a measure used to determine the humidity level in the atmosphere and its impact on the actual air temperature.
2. The Heat Index is typically higher than the actual air 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. The Heat Index, also known as the "apparent temperature" or "feels-like temperature," is a measure used to determine how hot it feels to the human body in relation to the actual air temperature. It takes into account the combined effects of air temperature and relative humidity.

Statement 2 is correct. The Heat Index is typically higher than the actual air temperature, especially in areas with high humidity levels. For example, on a hot and humid day, an air temperature of 32°C with high humidity might have a Heat Index of 38°C or more.

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

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Q.5) With reference to India Energy Security Scenarios (IESS) 2047, consider the following statements:

1. IESS is user-friendly interactive tool that can help ministries/departments to develop a variety of energy transition scenarios to achieve net-zero.
2. IESS will also be tasked with devising strategies to increase energy generation from coal-based power plants in response to the growing demand.

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. IESS is an open-source web-based tool launched by Niti Aayog. Its purpose is to assess the integrated impact of various green energy policies of the Government of India. It is user-friendly interactive tool that can help ministries/departments to develop a variety of energy transition scenarios to achieve net-zero.

Statement 2 is incorrect. There is no such aim of the IESS.

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

Q.6) With reference to Kuno National Park, consider the following statements:

1. Dry deciduous forest ecosystem is found in the Kuno National Park.
2. The park is situated in the Satpura range.
3. The park derives its name from Kuno River.

Which of the statements given above is/are correct?

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

Answer: D

Explanation –

Statements 1 and 3 are correct. Dry deciduous forest ecosystem is found in the Kuno National Park. The park derives its name from Kuno River.

Statement 2 is incorrect. Kuno National Park is situated in the Vindhya Range.

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

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Q.7) With reference to Rajasthan Minimum Guaranteed Income Bill 2023, consider the following statements:

1. The bill aims to cover the entire adult population of the state with guaranteed wages or pension.
2. Government will provide eligible categories such as aged, disabled, widows, and single women with a minimum pension of Rs 1,000 per month.

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 bill aims to cover the entire adult population of the state with guaranteed wages or pension. Government will provide eligible categories such as aged, disabled, widows, and single women with a minimum pension of Rs 1,000 per month.

Source: [ForumIAS](#)

Q.8) With reference to High seas, consider the following statements:

1. The high seas make up 95% of the sea's volume.
2. The high seas are not subject to the jurisdiction of any individual nation.
3. The high seas are controlled by the United Nations, which allocates fishing rights and resource extraction permits to individual countries based on their economic contributions to the organization.

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. The high seas make up 95% of the sea's volume. The high seas are not subject to the jurisdiction of any individual nation. They are considered part of the common heritage of humanity.

Statement 3 is incorrect. The high seas are considered international waters and are not owned or controlled by any single entity, including the United Nations. The United Nations, through conventions like UNCLOS (United Nations Convention on the Law of the Sea), provides a framework for the management and conservation of marine resources, but it does not allocate fishing rights or resource extraction permits based on countries' economic contributions.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.9) With reference to Ayushman Bharat programme, consider the following statements:

1. It provides free medical treatment to all Indian citizens, encompassing a wide variety of medical services such as surgeries, diagnostics, and long-term therapies, with no restrictions on income or economic status.
2. There are no restrictions on family size, age or gender for availing the benefits of the scheme.
3. The scheme is portable and beneficiaries can avail treatment at empaneled hospitals in any part of the country, regardless of their home state.

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: C

Explanation –

Statement 1 is incorrect. The Ayushman Bharat Yojana was established to give medical assistance to the underprivileged sections of society. It covers around 10 crore families identified as deprived and vulnerable based on the Socio-Economic Caste Census (SECC) data.

Statements 2 and 3 are correct. There are no restrictions on family size, age or gender for availing the benefits of the scheme. The scheme is portable and beneficiaries can avail treatment at empaneled hospitals in any part of the country, regardless of their home state.

Source: [ForumIAS](#)

Q.10) Consider the following statements:

1. Man-made flash flooding is caused by dams holding massive volumes of water and then releasing it downstream.
2. Delimitation is the process of creating new electoral boundaries to improve the efficiency of government services and distribution of resources in different regions.

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. Man-made flash flooding is caused by dams holding massive volumes of water and then releasing it downstream.

Statement 2 is incorrect. Delimitation is the process of redrawing the boundaries of Lok Sabha and State Assembly constituencies to ensure nearly equal representation of voters in each seat.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

PRELIMS

Q.1) With reference to the Indian Polity, consider the following statements:

1. A member of the panel of vice chairpersons of the Rajya Sabha presides over the House when the office of the Chairman or the Deputy Chairman is vacant.
2. The Panel of Vice Chairperson of the Rajya Sabha is appointed by the Prime Minister of India and usually serves as advisors on matters of national importance.

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. A member of the panel of vice chairpersons of the Rajya Sabha presides over the House in the absence of the Chairman or the Deputy Chairman. When there is a vacancy, the Chairman's duties are to be performed by such member of the House as the president may appoint for the purpose. Elections are held, as soon as possible, to fill the vacant posts. Under the Rules of Rajya Sabha, the Chairman nominates from amongst the members a panel of vice-chairpersons.

Source: [ForumIAS](#)

Q.2) Consider the following statements:

1. E-cigarettes contain only water vapor and natural flavors, making them a safe and healthy alternative to traditional cigarettes.
2. The Electronic Cigarettes Act, 2019 prohibits the production, manufacture, import, export, transport, sale, distribution and advertisement of e-cigarettes in India.

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. E-cigarettes do not contain just water vapor and natural flavors; they typically contain nicotine and other chemicals that can have health risks.

Statement 2 is correct. The Electronic Cigarettes Act, 2019 prohibits the production, manufacture, import, export, transport, sale, distribution and advertisement of e-cigarettes in India.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.3) Consider the following statements:

1. Clean Energy Ministerial (CEM) is an organisation that promotes nuclear power as the primary source of clean and sustainable energy, while ignoring the development of other renewable energy technologies.
2. e-FAST India employs Radio Frequency Identification (RFID) technology for making toll payments directly from the prepaid or savings account linked to 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: D

Explanation –

Statements 1 and 2 are incorrect. CEM is a high-level global forum to promote policies and programs for the development of clean energy technology. It also aims to share experience & best practices encouraging the transition to a global clean energy economy. e-FAST stands for Electric Freight Accelerator for Sustainable Transport – India. It is India's first electric freight platform. It aims to galvanize the transition towards cleaner and greener freight transportation.

Source: [ForumIAS](#)

Q.4) Consider the following statements with reference to National Education Policy (NEP) 2020:

1. It envisages the use of mother tongue or regional or Indian languages as the medium of instruction until at least Grade 5, and preferably till Grade 8 and beyond.
2. It also highlights the significant cognitive advantages of multilingualism for young learners, particularly when they were exposed to several languages from the foundational stage.

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. NEP 2020 envisages the use of mother tongue or regional or Indian languages as the medium of instruction until at least Grade 5, and preferably till Grade 8 and beyond. It also highlights the significant cognitive advantages of multilingualism for young learners, particularly when they were exposed to several languages from the foundational stage.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.5) With reference to the India-Sri Lanka Economic Partnership Vision document, consider the following statements:

1. It aims to strengthen bilateral and economic partnership between India and Sri Lanka.
2. Combating terrorism is one of the pillars of the document.
3. Both countries have decided to designate Indian Rupee as currency for trade settlements between the two 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: C

Explanation –

Statements 1 and 3 are correct. The document aims to strengthen bilateral and economic partnership between India and Sri Lanka. Both countries have decided to designate Indian Rupee as currency for trade settlements between the two countries.

Statement 2 is incorrect. The document is based on five pillars: maritime connectivity; air connectivity; energy and power connectivity; trade, economic and financial connectivity and people-to-people connectivity.

Source: [ForumIAS](#)

Q.6) Which of the following statements is correct regarding “Biofortification”?

- a) It is a process that involves increasing the nutritional value of food crops by enriching them with essential vitamins, minerals, and other nutrients.
- b) It refers to the field of science and technology that combines biology and medicine to study and address various health-related issues.
- c) It is a natural phenomenon in which living organisms produce light through a chemical reaction within their bodies.
- d) It involves the use of computational tools and techniques to store, manage, analyze, and visualize vast amounts of biological information.

Answer: A

Explanation – Biofortification is a process that involves increasing the nutritional value of food crops by enriching them with essential vitamins, minerals, and other nutrients.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.7) With reference to Rules of Procedure and Conduct of Business in Rajya Sabha, consider the following statements:

1. Rule 267 gives a Rajya Sabha MP special power to suspend the pre-decided agenda of the House, with the approval of the Chairman.
2. Rule 267 is not the only way for MPs to question the government and seek a response.
3. Rule 176 allows for a Short-duration discussion not exceeding two-and-a-half hours on a matter of urgent public importance.
4. As per Rule 176, a formal motion or voting can be held under a short-duration discussion.

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. Rule 267 gives a Rajya Sabha MP special power to suspend the pre-decided agenda of the House, with the approval of the Chairman. Rule 267 is not the only way for MPs to question the government and seek a response. They can ask questions related to any issue during the Question Hour, during Zero Hour etc. Rule 176 allows for a Short-duration discussion not exceeding two-and-a-half hours on a matter of urgent public importance. **Statement 4** is incorrect. As per Rule 176, the matter can be taken up immediately, within a few hours or even the next day. The rule, however, is clear that no formal motion or voting shall be held under a short-duration discussion.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. Bacteriophages are a type of bacteria commonly found in the human gut, where they aid in digestion and provide essential nutrients to the host.
2. Bacteriophages are harmless to human cells as they do not recognize them as their bacterial prey.
3. Phage therapy is the therapeutic use of bacteriophages for the treatment of bacterial infections.

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 bacteriophage or phage is a virus that infects bacteria. They are highly abundant in nature and play a crucial role in regulating bacterial populations in various ecosystems.

Statements 2 and 3 are correct. Bacteriophages are harmless to human cells as they do not recognize them as their bacterial prey. Phage therapy is the therapeutic use of bacteriophages for the treatment of bacterial infections.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.9) Which the following was the objective of “The Lokur Committee”?

- a) To examine student election in universities.
- b) To consider methodological and computational aspects of estimation of proportion and number of poor in India.
- c) To look into criteria for defining Schedule Tribes.
- d) To review the Operation of the Cash Credit System.

Answer: C

Explanation – The Lokur Committee was set up in 1965 to look into criteria for defining Schedule Tribes.

Source: [ForumIAS](#)

Q.10) With reference to the Chandrayaan-3 Mission, consider the following statements:

- 1. Chandrayaan-3 incorporates additional navigational and guidance instruments to continuously monitor the speed of the lander and making any required corrections.
- 2. The landing area of Chandrayaan-3 has been expanded.
- 3. A success-based design model was adopted by ISRO for Chandrayaan-3.

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. Chandrayaan-3 incorporates additional navigational and guidance instruments to continuously monitor the speed of the lander and making any required corrections. The landing area has been expanded. Instead of trying to reach a specific 500m x 500m patch for landing as targeted by Chandrayaan-2, the current mission has been given instructions to land safely anywhere in a 4km x 2.4km area.

Statement 3 is incorrect. ISRO adopted a “failure-based design” for Chandrayaan-3 instead of a “success-based design” used in Chandrayaan-2. It means that ISRO’s focus during the Chandrayaan-3 mission was on identifying potential failure points and implementing safeguards **to ensure a successful landing.**

Source: [ForumIAS](#)

PRELIMS

Q.1) Consider the following statements with reference to Ludwigia Peruviana:

1. These are plant species native to South America.
2. It is a species of cactus known for its large spines and ability to thrive in arid conditions.
3. In India, it was introduced as an ornamental plant for its tiny yellow flowers.

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. Ludwigia peruviana is native to South America, particularly found in countries like Brazil, Peru, and Argentina. In India, it was introduced as an ornamental plant for its tiny yellow flowers. However, it has become the invasive species in India. It is among the 22 priority invasive plants in Tamil Nadu.

Statement 2 is incorrect. Ludwigia peruviana typically grows in wetlands, marshes, and along the edges of ponds and slow-moving streams. It is an aquatic/semi-aquatic plant.

Source: [ForumIAS](#)

Q.2) With reference to “Tele MANAS Initiative” consider the following statements:

1. It is an initiative that focuses on offering affordable credit to MSMEs, particularly those involved in manufacturing activities.
2. It has been launched by the Ministry of Finance.

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. Tele Mental Health Assistance and Networking Across States (Tele-MANAS) initiative was launched by the Ministry of Health & Family Welfare during October 2022. It aims to provide free tele-mental health services all over the country round the clock, particularly catering to people in remote or under-served areas.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.3) Consider the following statements:

1. Tuberculosis is caused by a virus and can be transmitted through direct contact with an infected person's skin.
2. Bedaquiline is a medication used to treat active tuberculosis.

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. Tuberculosis is an infectious disease caused by the bacterium *Mycobacterium tuberculosis*. It is primarily spread through the air when an infected person coughs, sneezes, or speaks, releasing tiny droplets containing the bacteria into the air.

Statement 2 is correct. Bedaquiline is a medication used to treat active tuberculosis.

Source: [ForumIAS](#)

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

1. It is a Saryu-class indigenously-built Patrol Vessel.
2. It has been an integral part of the Navy’s Eastern Fleet.
3. Recently, the India Navy has handed it over to Vietnam People’s Navy (VPN).

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 -

Statement 1 is incorrect. INS Kirpan is a Khukri class indigenously-built missile corvette. It was commissioned in 1991.

Statements 2 and 3 are correct. INS Kirpan has been an integral part of the Navy’s Eastern Fleet and has participated in several operations. Recently, the Indian Navy has decommissioned INS Kirpan and handed it over to Vietnam People’s Navy (VPN).

Source: [ForumIAS](#)

Q.5) Consider the following statements:

1. A loan write-off is when a borrower voluntarily decides to cancel or forgive the outstanding debt owed to the banks.
2. After the loan is written off, the borrower is relieved of their legal obligation to repay the amount.
3. A loan that has been written off is no longer considered an asset by banks.

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: D

Explanation -

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Statement 1 and 2 are incorrect. A loan write-off, also known as debt write-off, is a financial term used when a lender or creditor (bank) decides to cancel or forgive the outstanding debt owed by a borrower. However, a loan write-off does not mean that the borrower is absolved of their legal responsibility to repay the debt. After the write-off, banks are supposed to continue their efforts to recover the loan using various options.

Statement 3 is correct. Writing off a loan essentially means it will no longer be counted as an asset. By writing off loans, a bank can reduce the level of non-performing assets (NPAs) on its books. An additional benefit is that the amount so written off reduces the bank's tax liability.

Source: [ForumIAS](#)

Q.6) With reference to Manual for Disaster Management Plan (DMP) consider the following statements:

1. It has been developed by the Department of Drinking Water and Sanitation.
2. The plan aims to develop disaster resilience building in Tier-I cities along with considering their geographical and environmental challenges.

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. DMP has been developed by the Department of Drinking Water and Sanitation.

Statement 2 is incorrect. The plan aims to ensure safety, uninterrupted supply and minimum loss of Water, Sanitation and Hygiene (WASH) assets and services caused due to the disasters, involving stakeholders at national, state, district and village level.

Source: [ForumIAS](#)

Q.7) With reference to STAR-C Initiative, consider the following statements:

1. It is being led by the Indian Space Research Organization (ISRO) and the European Space Agency with funding from the Government of the United States.
2. It aims to enhance quality infrastructure for the uptake of solar energy product and service markets, particularly in least developed countries and small island developing states.

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. STAR-C Initiative is being led by the International Solar Alliance (ISA) and the United Nations Industrial Development Organization (UNIDO) with funding from the Government of France.

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Statement 2 is correct. It aims to create a strong network of institutional capacities within ISA Member States to enhance quality infrastructure (QI) for the uptake of solar energy product and service markets, particularly in least developed countries (LDCs) and small island developing states (SIDS).

Source: [ForumIAS](#)

Q.8) With reference to the India Climate Energy Dashboard (ICED) consider the following statements:

1. It is a one-stop platform for near real-time data on the energy sector, climate and related economic datasets based on government published sources.
2. It will facilitate insights and enhance understanding about the energy and climate sectors while identifying the key challenges.

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. ICED is a one-stop platform for near real-time data on the energy sector, climate and related economic datasets based on government published sources. It will facilitate insights and enhance understanding about the energy and climate sectors while identifying the key challenges.

Source: [ForumIAS](#)

Q.9) Consider the following statements:

1. Zero FIRs are submitted when the police station closest to the victim is closed and they are unable to lodge a regular FIR.
2. The provision of Zero FIR came up after the recommendation in the report of the Justice Verma Committee.

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. When a police station receives a complaint regarding an alleged offence that has been committed in the jurisdiction of another police station, it registers an FIR and then transfers it to the relevant police station for further investigation. This is called a Zero FIR.

Statement 2 is correct. The provision of Zero FIR came up after the recommendation in the report of the Justice Verma Committee.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.10) Consider the following statements:

1. The National Clean Air Programme (NCAP) aims to achieve a 40-percent reduction in pollutant concentration, complying with the National Ambient Air Quality Standards (NAAQS) for PM 10 concentrations by 2026.
2. PM 2.5 and PM 10 are two different types of fuel additives that improve the performance and efficiency of vehicles.

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. NCAP aims to achieve a 40-percent reduction in pollutant concentration, complying with the National Ambient Air Quality Standards (NAAQS) for PM 10 concentrations by 2026.

Statement 2 is incorrect. PM 2.5 and PM 10 are fine particulate matter composed of tiny droplets of liquid, dry solid fragments, and solid cores with liquid coatings that can lead to harmful health effects when inhaled.

Source: [ORF](#)

PRELIMS

Q.1) Consider the following statements:

1. The Cannabis Research Project focuses on investigating the improper use of cannabis in India and developing strategies to regulate and control its usage effectively.
2. Narcotic Drugs and Psychotropic Substances Act, 1985 is the central law that deals with cannabis in India.
3. The NDPS (Narcotic Drugs and Psychotropic Substances) Act prohibits the sale, production, and use of cannabis in all its forms.

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 3 are incorrect. Cannabis Research Project aims to produce export quality drugs meant for different kinds of neuropathies, diabetic pains etc. The NDPS Act prohibits the sale and production of cannabis resin and flowers, but the use of leaves and seeds of the cannabis plant is permitted, with the states having the power to regulate and form the state rules for it.

Statement 2 is correct. Narcotic Drugs and Psychotropic Substances Act, 1985 is the central law that deals with cannabis in India.

Source: [ForumIAS](#)

Q.2) Consider the following statements:

1. National Mission on Sustainable Agriculture (NMSA) is implemented by the Ministry of Agriculture and Farmers Welfare.
2. Direct Seeded Rice system reduces methane emissions as it does not involve raising nurseries, puddling and transplanting.
3. Methane emissions are increased due to the diversion of paddy to alternate crops like pulses, oilseeds, maize, cotton, and agroforestry.

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. NMSA is implemented by the Ministry of Agriculture and Farmers Welfare. Direct Seeded Rice system reduces methane emissions as it does not involve raising nurseries, puddling and transplanting.

Statement 3 is incorrect. Methane emissions are avoided due to diversion of paddy to alternate crops like pulses, oilseeds, maize, cotton and agro forestry.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.3) Consider the following statements:

1. Khanij Bidesh India Ltd. (KABIL) was set up with an objective to identify, explore, acquire, develop, mine, process, procure and sell strategic minerals outside India.
2. The goal of the Minerals Security Partnership (MSP) is to ensure that critical minerals are being "produced, processed, and recycled in a manner that undermines the ability of unfriendly countries to realize their full economic development.

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. KABIL was set up in 2019 with an objective to identify, explore, acquire, develop, mine, process, procure and sell strategic minerals outside India. The Company is focusing on two prime critical and strategic minerals i.e., Lithium and Cobalt in the present context of Indian economy and linking it with creation of supply chain ecosystem in the country.

Statement 2 is incorrect. The main purpose of the MSP is to ensure that important minerals are being "extracted, treated, and reused in a way that helps member countries fully benefit from their geological resources and achieve economic development. It is a Us-led initiative that aims to secure supply chains of critical minerals, reducing dependency on China for critical minerals.

Source: [ForumIAS](#)

Q.4) With reference to Rajasthan Platform Based Gig Workers (Registration and Welfare) Bill 2023 consider the following statements:

1. The bill applies to aggregators and primary employers.
2. The bill provides gig workers access to general and specific social security schemes and opportunity to be heard for any grievances at appropriate grievance redressal mechanism.
3. The bill proposes a Welfare Board to ensure registration of gig workers and aggregators operating in the state and establish a social security and welfare fund for gig workers.

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. The Bill applies to “aggregators” (digital intermediaries connecting buyers and sellers) and “primary employers” (individual or organizations engaging platform-based workers). The bill provides gig workers access to general and specific social security schemes and opportunity to be heard for any grievances and appropriate grievance redressal mechanism. The bill proposes a Welfare Board to ensure registration of gig workers and aggregators operating in the state and establish a social security and welfare fund for gig workers.

Source: [ForumIAS](#)

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Q.5) With reference to Controlled Human Infection Studies (CHIs) consider the following statements:

1. CHIs involve deliberately infecting unhealthy individuals with various pathogens to study their effects and prevent the diseases further.
2. CHIS have made important contributions to the treatment and prevention of many infectious diseases of global health importance.
3. CHIS model can help provide unique insights into disease pathogenesis and can accelerate the development of novel medical interventions.

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. In CHIS, healthy volunteers are intentionally exposed to pathogens in a controlled environment in order to promote understanding of the pathogenesis, transmission, prevention and treatment of infectious diseases in humans.

Statements 2 and 3 are correct. CHIS have a long history and have made important contributions to the treatment and prevention of many infectious diseases of global health importance. CHIS model can help provide unique insights into disease pathogenesis and can accelerate the development of novel medical interventions.

Source: [ForumIAS](#)

Q.6) With reference to Polar Satellite Launch Vehicle (PSLV) consider the following statements:

1. It is a human-carrying spacecraft designed for crewed missions to explore the Moon and other planets in the solar system.
2. It is a four-stage rocket that uses both solid and liquid propulsion systems.
3. It has been instrumental in India's space program, facilitating various space applications, research, and developmental activities.

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 –

Statement 1 is incorrect. PSLV) is an expendable launch vehicle developed and operated by the ISRO. It is specifically designed to launch satellites into polar and geostationary orbits.

Statements 2 and 3 are correct. PSLV is a four-stage rocket that uses both solid and liquid propulsion systems. It has been instrumental in India's space program, facilitating various space applications, research, and developmental activities.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.7) Which of the following is the objective of “Meri Maati, Mera Desh campaign”?

- It has been launched by the governing party with the intention of convincing voters for the upcoming general Lok Sabha elections.
- Its primary objective is to boost the Make in India initiative in agriculture by cultivating high-quality indigenous crops and reducing the dependence on imports.
- Its aim is to initiate various activities that acknowledge and honor the efforts of the martyrs during the Indian Independence struggle.
- Its goal is to encourage sustainable agricultural practices that preserve the soil's health.

Answer: C

Explanation – The Meri Maati Mera Desh campaign is envisaged as a culminating event of the ‘Azadi Ka Amrit Mahotsav’ celebration of 75 years of Indian Independence. Its aim is to initiate various activities that acknowledge and honor the efforts of the martyrs during the Indian Independence struggle. It also aims to promote afforestation and a garden will be built after collecting soil from across the country.

Source: [ForumIAS](#)

Q.8) With reference to Marine Heat Waves (MHW), consider the following statements:

- It occurs when the surface temperature of a particular region of the sea rises to 3 or 4 degrees Celsius above the average temperature for at least five days.
- Higher ocean temperatures, associated with MHWs, can make storms like hurricanes and tropical cyclones stronger.
- MHWs have little influence on the development of marine invasive alien species.

Which of the statement given above are correct?

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

Answer: A

Explanation –

Statements 1 and 2 are correct. MHW occurs when the surface temperature of a particular region of the sea rises to 3 or 4 degrees Celsius above the average temperature for at least five days. Higher ocean temperatures, associated with MHWs, can make storms like hurricanes and tropical cyclones stronger.

Statement 3 is incorrect. MHWs also fuel the growth of invasive alien species, which can be destructive to marine food webs.

Source: [ForumIAS](#)

10 PM Compilation for the Month of July 2023

Q.9) Consider the following statements:

1. The Ethanol Blending Petrol (EBP) programme aims to blend petrol with diesel to create a more sustainable and eco-friendly fuel alternative.
2. In India, the percentage of ethanol blended into fuel has reached 10%.

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 primary objective of the EBP programme is to blend ethanol with petrol, creating a more sustainable and eco-friendly fuel alternative. Ethanol, a biofuel derived from plant-based sources like sugarcane, corn, or other biomass, is mixed with traditional petrol in varying ratios.

Statement 2 is correct. In India, the percentage of ethanol blended into fuel has reached 10%. The government has now aimed to reach 20% ethanol blending by 2025.

Source: [ForumIAS](#)

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

1. OneWeb Network Access Associates Limited is a communications company that aims to build broadband satellite Internet services.
2. It enables high-speed, low latency connectivity for governments, businesses and communities everywhere around the world.
3. India's Bharti Enterprises is a major investor in OneWeb group.

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. OneWeb Network Access Associates Limited is a communications company that aims to build broadband satellite Internet services. It enables high-speed, low latency connectivity for governments, businesses and communities everywhere around the world. India's Bharti Enterprises is a major investor in OneWeb group.

Source: [ForumIAS](#)

PRELIMS

Q.1) With reference to different Social Security measures for elderly population, consider the following statements:

1. National Programme for Health Care of the Elderly (NPHCE) was launched by the Ministry of Health and Family Welfare with a view to provide dedicated healthcare services to senior citizens at various level of State Health Care delivery system.
2. Under Integrated Programme for Senior Citizens (IPSrC), assisted living devices are distributed free of cost, in camp mode, to senior citizens belonging to the families living below the poverty line or having Rs. 15000/- as monthly income and suffering from age related disabilities.

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. NPHCE was launched by the Ministry of Health and Family Welfare with a view to provide dedicated healthcare services to senior citizens at various level of State Health Care delivery system.

Statement 2 is incorrect. Under IPSrC, grant-in-Aid is given to Implementing Agencies for running and maintenance of Senior Citizens Homes where basic amenities like shelter, food, medical care, entertainment opportunities etc are provided free of cost to indigent senior citizens.

Source: [ForumIAS](#)

Q.2) With reference to Biological Diversity (Amendment) Bill 2021, consider the following statements:

1. The Bill requires registered AYUSH medical practitioners and people accessing codified traditional knowledge to seek prior intimation from State biodiversity Boards to access biological resources for certain purposes.
2. The Bill removes research and bio-survey activities from the purview of benefit sharing requirements.
3. The bill decriminalizes a range of offences under the Act and substitutes them with monetary penalties.

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 Bill allows certain groups, including registered AYUSH medical practitioners and those accessing traditional knowledge, to access biological resources without informing State biodiversity Boards beforehand for specific purposes.

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Statements 2 and 3 are correct. The Bill removes research and bio-survey activities from the purview of benefit sharing requirements. The bill decriminalizes a range of offences under the Act and substitutes them with monetary penalties.

Source: [ForumIAS](#)

Q.3) With reference to the Criminal Procedure (Identification) Bill 2022, consider the following statements:

1. As per the Bill, resistance or refusal to give details will be considered an offense under the Indian Penal Code, 1860.
2. The Bill empowers National Crime Records Bureau (NCRB) to collect the details about the persons covered under the Bill from State governments, Union Territory (UT) administrations, or other law enforcement agencies.

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. As per the Bill, resistance or refusal to give details will be considered an offense under the Indian Penal Code, 1860. The Bill empowers NCRB) to collect the details about the persons covered under the Bill from State governments, UT administrations, or other law enforcement agencies.

Source: [ForumIAS](#)

Q.4) Consider the following statements:

1. Radio Frequency Interference (RFI) is a process that improves the clarity and strength of wireless communication signals, making them more reliable and efficient.
2. STARFIRE algorithm can estimate the RFI emitted by FM radio stations, WiFi networks, mobile towers, radar, satellites, and communication devices.
3. PRATUSH is a space mission that aims to study the first stars and galaxies in the Universe using signals from the 21-cm hydrogen line.

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. RFI refers to the disruption or degradation of wireless communication signals caused by external sources of electromagnetic radiation. These sources can emit electromagnetic waves on frequencies that overlap with those used for radio, television, satellite communication, wireless networks, and other wireless devices.

Statements 2 and 3 are correct. STARFIRE algorithm can estimate the RFI emitted by FM radio stations, WiFi networks, mobile towers, radar, satellites, and communication devices. PRATUSH

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is a space mission that aims to study the first stars and galaxies in the Universe using signals from the 21-cm hydrogen line. It also helps address the issue of RFI on land.

Source: [ForumIAS](#)

Q.5) With reference to Self-Employment Scheme for Rehabilitation of Manual Scavengers (SRMS) consider the following statements:

1. Its aim is to uplift and empower manual scavengers by providing them with opportunities to engage in alternative self-employment ventures.
2. The scheme has been replaced by National Action Plan for Mechanized Sanitation Ecosystem (NAMASTE) 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: C

Explanation –

Statements 1 and 2 are correct. SRMS aim is to uplift and empower manual scavengers by providing them with opportunities to engage in alternative self-employment ventures. The scheme has been replaced by National Action Plan for Mechanized Sanitation Ecosystem (NAMASTE) scheme.

Source: [ForumIAS](#)

Q.6) Consider the following statements with reference to Stem cell transplant:

1. Stem cell transplant is a medical procedure used to extract and transplant cancerous cells into a patient's body to stimulate the growth of healthy tissues and organs.
2. In a stem cell transplant, the patient receives high doses of chemotherapy or radiation to destroy the diseased bone marrow.
3. The success of a stem cell transplant depends on factors such as the patient's overall health and the type of disease being treated.

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. Stem cell transplantation (SCT), sometimes referred to as bone marrow transplant (BMT) is a procedure in which a patient receives healthy stem cells to replace damaged stem cells.

Statements 2 and 3 are correct. In a stem cell transplant, the patient receives high doses of chemotherapy or radiation to destroy the diseased bone marrow. The success of a stem cell transplant depends on factors such as the patient's overall health and the type of disease being treated.

Source: [ForumIAS](#)

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Q.7) Consider the following statements:

1. Full-reserve banking is the banking system under which banks that take demand deposits from the public are required to hold a proportion of their deposit liabilities in liquid assets as a reserve, and are at liberty to lend the remainder to borrowers.
2. Under full-reserve banking, banks act as custodians to depositors' money and may charge a fee from depositors for the service of safekeeping that they offer to the depositors.

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. Full-reserve banking also known as 100% reserve banking refers to a system of banking where banks are not allowed to lend out money that they receive from customers in the form of demand deposits.

Statement 2 is correct. Under full-reserve banking, banks act as custodians to depositors' money and may charge a fee from depositors for the service of safekeeping that they offer to the depositors.

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

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

1. It is a type of electricity that forms on dry surfaces and can be transferred from dust particles to water droplets.
2. It is a type of non-renewable energy.
3. The energy can only be generated at night.

How many of the above statements are correct?

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

Answer: D

Explanation –

Statements 1, 2 and 3 are incorrect. Hygroelectricity is a technology that can harvest electricity from humid air. It is a renewable form of energy. Statement 3 is incorrect as there is no such requirement.

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

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Q.9) With reference to the Enforcement Directorate (ED), consider the following statements:

1. Under the Fugitive Economic Offenders Act, 2018 (FEOA), ED has been entrusted with the responsibility of investigating suspected violations of foreign exchange laws and regulations.
2. ED's powers increased significantly after the enactment of PMLA, 2002 because the act re-empowered ED with the powers of criminal prosecution.
3. ED authorities are not police officers and an inquiry under the Section 50 of the PMLA is not a strict investigation for initiating prosecution.

Which of the statements given above is/are correct?

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

Answer: D

Explanation –

Statement 1 is incorrect. Under the Fugitive Economic Offenders Act, 2018 (FEOA), ED is mandated to seize the properties of fugitive economic offenders who have fled from India to evade arrest.

Statements 2 and 3 are correct. ED's powers increased significantly after the enactment of PMLA, 2002 because the act re-empowered ED with the powers of criminal prosecution. The Supreme Court held in Vijay Madanlal Choudhary v. Union of India (2022) that ED authorities are not police officers and an inquiry under the Section 50 of the PMLA is not 'investigation' in strict sense of the term for initiating prosecution.

Source: [ForumIAS](#)

Q.10) Consider the following statements with reference to sustainable agriculture:

1. Sustainable agriculture is an approach to farming that hinders the technological advancements in the agricultural sector.
2. It emphasizes the conservation and regeneration of essential natural resources like soil, water, and air to benefit future generations.

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. Sustainable agriculture refers to the practice of cultivating crops and raising livestock in a manner that meets current food production needs while ensuring the long-term viability of agricultural systems, taking into account environmental stewardship, social equity, and economic viability. Sustainable agriculture can also be done by using advanced technology.

Statement 2 is correct. Sustainable agriculture emphasizes the conservation and regeneration of essential natural resources like soil, water, and air to benefit future generations.

Source: [ForumIAS](#)

PRELIMS

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

1. The extensive root systems of trees within silvopasture plots play a significant role in nutrient cycling.
2. It is a type of marine ecosystem that combines underwater vegetation with aquatic animals for sustainable seafood production.
3. In silvopasture systems, soil infiltration rates are higher compared to open pastures, resulting in an improved capacity for water storage.

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 extensive root systems of trees within silvopasture plots play a significant role in nutrient cycling. In silvopasture systems, soil infiltration rates are higher compared to open pastures, resulting in an improved capacity for water storage.

Statement 2 is incorrect. Silvopasture is a land management practice that combines forestry (silviculture) with livestock grazing. It involves integrating trees, forage plants, and grazing animals in the same area to create a sustainable and productive agroforestry system.

Source: [ForumIAS](#)

Q.2) With reference to the Forest Conservation (Amendment) Bill 2023, consider the following statements:

1. As per the Bill, the state government requires prior approval of the central government to assign any forest land to a private entity.
2. The Bill extends this to all entities, and allows the assignment to be made on terms and conditions specified by the central government.

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. As per the Bill, the state government requires prior approval of the central government to assign any forest land to a private entity. The Bill extends this to all entities, and allows the assignment to be made on terms and conditions specified by the central government.

Source: [ForumIAS](#)

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Q.3) Consider the following statements:

1. Nanoflakes are a type of nanomaterial that consists of thin, two-dimensional flakes with nanoscale dimensions.
2. Hematene is created by subjecting hematite to high temperatures and pressures, causing it to transform into a three-dimensional micromaterial.

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. Nanoflakes are a type of nanomaterial that consists of thin, two-dimensional flakes with nanoscale dimensions.

Statement 2 is incorrect. Hematene is created by peeling off, thin layers of hematite to obtain a two-dimensional nanomaterial with nanoscale thickness.

Source: [ForumIAS](#)

Q.4) With reference to Revamped Distribution Sector Scheme (RDSS) consider the following statements:

1. It aims to reduce the Aggregate Technical & Commercial (AT&C) losses to pan-India levels of 12-15% and Average Cost of Supply (ACS)-Average Revenue Realized (ARR) gap to zero by 2024-25.
2. The scheme has been launched for the duration of five years.
3. India Electrification Corporation (IFC) is the nodal agency for the implementation of the scheme.

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. RDSS aims to reduce the Aggregate Technical & Commercial (AT&C) losses to pan-India levels of 12-15% and Average Cost of Supply (ACS)-Average Revenue Realized (ARR) gap to zero by 2024-25. Government of India has launched the RDSS for the duration of 5 years i.e., from (FY 2021-22 to FY 2025-26).

Statement 3 is incorrect. Power Finance Corporation (PFC) and Rural Electrification Corporation (REC) have been nominated as the nodal agencies for the implementation of the scheme.

Source: [ForumIAS](#)

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Q.5) Global Education Monitoring Report, 2023 has been released by –

- a) United Nations Educational, Scientific and Cultural Organization (UNESCO)
- b) Association for Childhood Education International (ACEI)
- c) Education International
- d) United Nations Children's Fund (UNICEF)

Answer: A

Explanation – The United Nations Educational, Scientific and Cultural Organization (UNESCO) has released its Global Education Monitoring Report, 2023 titled “Technology in education: a tool on whose terms?”

Source: [ForumIAS](#)

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

- 1. Fluorochemicals are used as ingredient in pesticides to protect against pests in agriculture.
- 2. Fluorochemicals can be either organic or inorganic in nature.

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. Fluorochemicals have many different uses and roles in agriculture. The most common use is to protect crops in the field as an ingredient in pesticides and herbicides. It has nearly taken the place of bromomethane, a pesticide that came under fire for its toxicity to the environment. Fluorochemicals can be either organic or inorganic in nature.

Source: [ForumIAS](#)

Q.7) Consider the following statements:

- 1. India has become the first country to start the T+1 settlement cycle in top listed securities.
- 2. Trade settlement is the process of executing a trade between two parties, where the buyer transfers ownership of the securities, and the seller transfers the funds on the trade execution date.
- 3. Under the T+0 settlement cycle, if investors sell shares, they will get the money in their account instantaneously and the buyers will get the shares in their demat accounts the same day.

How many of the above statements are correct?

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

Answer: A

Explanation –

Statements 1 and 2 are incorrect. India became the second country to start the T+1 settlement cycle in top listed securities after China. Trade settlement is the process of completing a

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securities transaction between two parties, where the buyer transfers funds and the seller transfers ownership of the securities on the agreed-upon settlement date, which is typically a few days after the trade execution date.

Statement 3 is correct. Under the T+0 settlement cycle, if investors sell shares, they will get the money in their account instantaneously and the buyers will get the shares in their demat accounts the same day.

Source: [ForumIAS](#)

Q.8) With reference to the Indian Constitution, consider the following statements:

1. A no-confidence motion in the Rajya Sabha can be brought according to the rules of the Rajya Sabha.
2. The no-confidence motion has historically been used to demonstrate enduring trust in the government's actions and decisions.
3. Any member of the Lok Sabha who can gather the support of 50 of their colleagues can introduce a resolution of no-confidence against the Council of Ministers.

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. A no confidence motion can only be moved in the Lok Sabha. The no-confidence motion has historically been used as a form of protest to keep the government accountable.

Statement 3 is correct. Any member of the Lok Sabha who can gather the support of 50 of their colleagues can introduce a resolution of no-confidence against the Council of Ministers.

Source: [ForumIAS](#)

Q.9) Consider the following statements:

1. Atmanirbhar Bharat Abhiyan aims to increase the share of MSMEs in exports from 50% to 60% within five years.
2. India's share in the global express delivery services (EDS) market and merchandise trade is currently only 2%.
3. India imports nearly all of its semiconductor requirements.

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. Atmanirbhar Bharat Abhiyan aims to increase the share of MSMEs in exports from 50% to 60% within five years. India's share in the global express delivery

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services (EDS) market and merchandise trade is currently only 2%. India imports nearly all of its semiconductor requirements.

Source: [ForumIAS](#)

Q.10) Consider the following statements:

1. Both solid and liquid fuels were used in the rocket carrying Chandrayaan-3.
2. Solid Propellant Rocket Engine was used in the Chandrayaan-3 Mission to give thrust to the LVM-3 launch vehicle.

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. Both solid and liquid fuels were used in the rocket carrying Chandrayaan-3. The first stage utilizes solid fuel, while the second stage employs liquid fuel.

Statement 2 is incorrect. Chandrayaan-3 has been equipped with CE-2 cryogenic engine.

Source: [DNA](#)

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PRELIMS

Q.1) With reference to the Cinematograph (Amendment) Bill 2023, consider the following statements:

1. The Bill substitutes the UA category with the other three categories to indicate age-appropriateness.
2. The bill prohibits the unauthorized recording of films and their exhibition.
3. Under the Act, the certificate issued by the Board is valid for five years.

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. The Bill substitutes the UA category with the other three categories to indicate age-appropriateness, e.g., (i) UA 7+, (ii) UA 13+, or (iii) UA 16+. The bill prohibits the unauthorized recording of films and their exhibition.

Statement 3 is incorrect. Under the Act, the certificate issued by the Board is valid for 10 years.

Source: [ForumIAS](#)

Q.2) With reference to Jan Vishwas (Amendment of Provisions) Bill 2023, consider the following statements:

1. The bill removes all offences under the Post Office Act, 1898.
2. The bill aims to establish an apex body responsible for addressing employment-related matters, including identifying and addressing unfilled job vacancies by notifying the relevant departments.

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 bill removes all offences under the Post Office Act, 1898.

Statement 2 is incorrect. The Jan Vishwas Bill aims to decriminalize around 180 offences by amending 42 laws across sectors including environment, agriculture, media, industry and publication.

Source: [ForumIAS](#)

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Q.3) With reference to Arth Ganga Initiative, consider the following statements:

1. Its objective to rejuvenate and clean the Ganga River.
2. Under Arth Ganga, the government is encouraging the practice of Zero Budget Natural Farming along both banks of the river.

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 Arth Ganga focuses on the sustainable development of the Ganga and its surrounding areas, by focusing on economic activities related to the river.

Statement 2 is correct. Under Arth Ganga, the government is encouraging the practice of Zero Budget Natural Farming along both banks of the river.

Source: [ForumIAS](#)

Q.4) With reference to the Self-Reliant India (SRI) Fund, consider the following statements:

1. It is an additional fund provided to companies availing the Production Linked Incentives (PLI) Scheme.
2. SRI fund is implemented by a special purpose vehicle called NSIC Venture Capital Fund Limited.

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. Self-Reliant India Fund was set up in 2021. It is a Category-II Alternative Investment Fund registered with SEBI. It aims to provide growth capital to the deserving and eligible units of the MSME sector.

Statement 2 is correct. SRI fund is implemented by a special purpose vehicle called NSIC Venture Capital Fund Limited.

Source: [ForumIAS](#)

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Q.5) With reference to the Gulf Stream, consider the following statements:

1. It is a cold ocean current that flows in the Pacific Ocean, originating in the Gulf of Alaska and moving towards South America.
2. It influences the climate of the east coast of Florida.
3. It affects weather patterns and storm systems, and it has been historically vital for maritime navigation and trade routes.

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 Gulf Stream is a powerful and warm ocean current that flows in the Atlantic Ocean, originating in the Gulf of Mexico. It extends all the way up the eastern coast of the United States and Canada.

Statements 2 and 3 are correct. The strong current of warm water influences the climate of the east coast of Florida, keeping temperatures there warmer in the winter and cooler in the summer than the other southeastern states. It affects weather patterns and storm systems, and it has been historically vital for maritime navigation and trade routes.

Source: [ForumIAS](#)

Q.6) With reference to Resource Efficiency Circular Economy Industry Coalition (RECEIC) consider the following statements:

1. It was conceived during India's G20 Presidency.
2. The coalition aims to promote company collaboration, build advanced capabilities, learn from global experiences, and accelerate the transition to a circular economy.

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. RECEIC was conceived during India's G20 Presidency. It aims to promote company collaboration, build advanced capabilities, learn from global experiences, and accelerate the transition to a circular economy.

Source: [ForumIAS](#)

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Q.7) Consider the following statements with reference to non-committed cells:

1. These cells do not participate in the later stages of embryo development.
2. These cells show the expression of a gene known as HERVH.

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. In contrast to the majority of cells in the inner cell mass that contribute to the developing embryo, non-committed cells do not participate in the later stages of embryo development.

Statement 2 is incorrect. The non-committed cells lack the expression of a gene called HERVH.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. AIDE mobile app is a technology-driven yield estimation system, offering methodologies, best practices and integration insights for accurate yield assessments at the Gram Panchayat level.
2. Weather Information Network Data Systems (WINDS) portal enhances risk assessment and decision-making in crop insurance, agriculture advisories, and disaster mitigation, supporting the agricultural sector and rural economy.

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. AIDE mobile app is a mobile application specifically developed to streamline the enrollment process for farmers in crop insurance schemes like Pradhan Mantri Fasal Bima Yojana (PMFBY) and Restructured Weather-Based Crop Insurance Scheme (RWBCIS).

Statement 2 is correct. WINDS portal enhances risk assessment and decision-making in crop insurance, agriculture advisories, and disaster mitigation, supporting the agricultural sector and rural economy.

Source: [ForumIAS](#)

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Q.9) Consider the following statements:

1. Political parties are statutory bodies.
2. The RTI Act was designed for transparency in government functions.
3. Freedom of speech and expression and freedom of trade and commerce through the medium of the internet are constitutionally protected rights under Articles 19(1)(a) and Articles 19(1)(g).

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statement 1 is incorrect. Political parties are formed voluntarily and are not statutory bodies. Their public engagement is by choice, not by law.

Statement 2 and 3 are correct. The RTI Act was designed for transparency in government functions. The SC has held that freedom of speech and expression and freedom of trade and commerce through the medium of the internet are constitutionally protected rights under Articles 19(1)(a) and Articles 19(1)(g).

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