

10 PM Current Affairs Quiz Compilation

14th to 19th August, 2023

*THIS IS A MONTHLY DOCUMENT CONTAINING ALL MCQS ASKED IN 10 PM
CURRENT AFFAIRS QUIZ BY FORUMIAS.*

10 PM Compilation for the Month of August [Third Week] 2023

PRELIMS

Q.1) With reference to Soil Health Cards (SHCs) scheme, consider the following statements:

1. It offers farmers financial incentives based on the number of soil samples they collect and submit for testing, encouraging them to participate in the program.
2. The Soil Health Card portal has been revamped and integrated with a Geographic Information System (GIS) system so that all the test results are captured and seen on a map.

Select the correct answer from the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. SHC Scheme provides farmers with information about the health of their soil through soil testing, and it offers customized recommendations for nutrient management and soil improvement practices.

Statement 2 is correct. Recently, the Soil Health Card portal has been revamped and integrated with a Geographic Information System (GIS) system so that all the test results are captured and seen on a map.

Source: [ForumIAS](#)

Q.2) Consider the following statements:

1. Janaushadhi Sugam is a program aims to provide affordable and high-quality generic medicines to the public.
2. Generic medicines are advanced pharmaceutical products developed with the latest technology, offering greater effectiveness and safety compared to traditional brand-name drugs.

Select the correct answer from the codes given below:

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

Answer: D

Explanation –

Statements 1 and 2 are incorrect. Janaushadhi Sugam is a mobile application that provides information to the public about the location of kendras, helps them search Janaushadhi medicines and compare the maximum retail price of Generic vs. Branded medicines. Generic medicines are pharmaceutical products that are equivalent to brand-name drugs in terms of active ingredients, dosage, intended use, route of administration, quality, and effectiveness. They are sold under their chemical name or a non-proprietary name and are often available at a lower cost compared to brand-name counterparts.

Source: [ForumIAS](#)

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Q.3) Consider the following statements:

1. Solar flares are a continuous stream of charged particles that are ejected from the Sun's corona and released into space.
2. Geomagnetic storms are disturbances in Earth's magnetic field caused by interactions between the solar wind and Earth's magnetosphere.
3. Solar flares are caused by the gravitational interaction between the Sun and other celestial bodies in the solar system, leading to the sudden release of energy and radiation.

How many of the above statements are correct?

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

Answer: A

Explanation –

Statement 1 and 3 are incorrect. Solar flares are sudden and intense bursts of energy and radiation that originate from the Sun's surface or corona, often associated with magnetic activity in active regions or sunspots. Solar flares occur due to the entanglement, intersection, or rearrangement of magnetic field lines near sunspots. Solar winds are a stream of plasma particles that are ejected from the Sun's atmosphere.

Statement 2 is correct. Geomagnetic storms are disturbances in Earth's magnetic field caused by interactions between the solar wind and Earth's magnetosphere.

Source: [ForumIAS](#)

Q.4) With reference to Athidhi Portal, consider the following statements:

1. It is a portal introduced by the central government with the purpose of protecting foreign visitors to India from potential scams or fraudulent activities.
2. A unique ID will be assigned upon registration on the portal, which will store the visiting history of foreigners in India.

Select the correct answer from the codes given below:

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

Answer: D

Explanation –

Statements 1 and 2 are incorrect. Athidhi Portal has been launched by the Kerala government. It is a user-friendly web portal to expedite the registration for migrant workers in Kerala. The enrolling officer will examine the details entered in the portal and issue a unique ID to each worker. The portal will also ensure that they have social security,

Source: [ForumIAS](#)

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Q.5) Mushkbudji Rice is related to –

- a) Punjab
- b) Haryana
- c) Jammu & Kashmir
- d) Andhra Pradesh

Answer: C

Explanation – Mushkbudji Rice is short, bold aromatic rice grown in the higher reaches of Kashmir valley.

Source: [ForumIAS](#)

Q.6) Consider the following statements:

- 1. India has around 20% of the worldwide wild elephant population.
- 2. Asian Elephants are categorized as Vulnerable in the IUCN Red List.
- 3. Project Elephant, a centrally funded program, aims to safeguard and conserve elephants, their natural habitats and corridors.

How many of the above statements are correct?

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

Answer: A

Explanation –

Statements 1 and 2 are incorrect. India has around 60% of the worldwide wild elephant population. Asian Elephants are categorized as Endangered in the IUCN Red List.

Statement 3 is correct. Project Elephant, a centrally funded program, aims to safeguard and conserve elephants, their natural habitats and corridors.

Source: [ForumIAS](#)

Q.7) Consider the following statements:

- 1. In terms of territory, demographics, military, and economy, India is the third largest country in South Asia.
- 2. The Global North remains the most vulnerable to the impacts of climate change.
- 3. The youth in the Global South covers about 90 percent of the world's total youth population.

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: D

Explanation –

Statements 1 and 2 are incorrect. In terms of territory, demographics, military, and economy, India is the largest country in South Asia. The Global South, owing to its geography and political economy, remains the most vulnerable to the impacts of climate change.

Statement 3 is correct. The youth in the Global South covers about 90 percent of the world's total youth population.

Source: [ORF](#)

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Q.8) With reference to Digital Personal Data Protection Bill 2023, consider the following statements:

1. Personal data may be processed only for a lawful purpose after obtaining the consent of the individual.
2. The central government will establish the Data Protection Board of India.
3. The Bill prohibits the transfer of personal data outside India.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statements 1 and 2 are correct. As per the Bill, personal data may be processed only for a lawful purpose after obtaining the consent of the individual and the central government will establish the Data Protection Board of India.

Statement 3 is incorrect. The Bill allows transfer of personal data outside India, except to countries restricted by the central government through notification.

Source: [ForumIAS](#)

Q.9) With reference to Mines and Minerals Amendment Bill 2023, consider the following statements:

1. The Bill introduces a novel license category aimed at fostering exploration by private sector players at the reconnaissance and prospective stages.
2. While the central government will grant the exploration licence through competitive bidding, state government will frame rules for exploration licensing.
3. The exploration licence will be issued 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: C

Explanation –

Statements 1 and 3 are correct. The Bill introduces a novel license category aimed at fostering exploration by private sector players at the reconnaissance and prospective stages. The exploration licence will be issued for five years which can further be extended for two years upon request.

Statement 2 is incorrect. While the state government will grant the exploration licence through competitive bidding, central government will frame rules for exploration licensing.

Source: [ForumIAS](#)

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Q.10) Which of the following country is a member of both ASEAN and G20?

- a) Singapore
- b) Indonesia
- c) Vietnam
- d) Myanmar

Answer: B

Explanation – Indonesia is a member of ASEAN as well as G20.

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

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PRELIMS

Q.1) Consider the following statements with reference to Parliamentary Privileges:

1. Parliamentary privileges provide members of a legislative body with the power to intervene in legal proceedings of the court.
2. Each House of Parliament is the guardian of its privileges.
3. The Code of Civil Procedure protects MPs from arrest and detention under civil cases during a parliamentary session.

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. Parliamentary privileges grant members of a legislative body certain legal immunities and protections to ensure their freedom of speech, independence, and ability to carry out their legislative functions without fear of legal actions or interference.

Statements 2 and 3 are correct. Each House of Parliament is the guardian of its privileges. The Code of Civil Procedure protects MPs from arrest and detention under civil cases during a parliamentary session.

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

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

1. It plays a role in regulating the immune response, ensuring the fetus is not attacked by the mother's immune system.
2. Placenta-on-a-chip (POC) device imitates different stages of pregnancy such as blood flow and cell interactions.

Select the correct answer from the codes given below:

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

Answer: C

Explanation –

Statements 1 and 2 are correct. Placenta plays a role in regulating the immune response, ensuring the fetus is not attacked by the mother's immune system. POC device imitates different stages of pregnancy such as blood flow and cell interactions.

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

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Q.3) Consider the following statements:

1. Carbon-enhanced metal-poor (CEMP) stars are young, bright stars found in galaxies that have a high concentration of heavy elements, such as iron, and they exhibit low levels of carbon in their composition.
2. HE 1005-1439 is classified as a carbon-enhanced metal-poor (CEMP) star.

Select the correct answer from the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. CEMP stars are old and primitive stars found in galaxies, including the Milky Way. They have low amounts of heavy elements (metals) but high levels of carbon and other elements produced by earlier generations of stars. These stars provide insights into the early universe and help astronomers understand the processes that occurred during the formation of the first stars.

Statement 2 is correct. HE 1005-1439 is classified as a CEMP star.

Source: [ForumIAS](#)

Q.4) Maliyali Tribes are found in –

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

Answer: C

Explanation – Maliyali Tribes are spread across Tamil Nadu's hilly region.

Source: [ForumIAS](#)

Q.5) Consider the following statements:

1. SARAS Aajeevika is a government initiative focused on urban development and infrastructure improvement in India.
2. One District One Product (ODOP) initiative aims to select, brand, and promote at least One Product from each District of the country for enabling holistic socioeconomic growth across all regions.
3. One District One Product (ODOP) Wall is a collaboration between One District One Product (ODOP) initiative and SARAS Aajeevika.

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 –

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Statement 1 is incorrect. SARAS Aajeevika aims to bring the rural women SHG members formed under DAY NRLM under one platform to showcase their skills, sell and build linkages with potential market players at a fair price.

Statement 2 and 3 are correct. ODOP initiative aims to select, brand, and promote at least One Product from each District of the country for enabling holistic socioeconomic growth across all regions. ODOP Wall is a collaboration between One District One Product (ODOP) initiative and SARAS Aajeevika. This collaboration aims to drive consumers towards boosting sales and increasing the visibility of SARAS products.

Source: [ForumIAS](#)

Q.6) Consider the following statements:

1. Only 35% of the Nitrogen applied through urea is actually used by crops.
2. The Urea Gold contains a higher amount of sulfur content compared to its nitrogen content.
3. India's yearly urea usage ranks just below that of China.

Which of the statements given above is/are correct?

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

Answer: D

Explanation –

Statements 1 and 3 are correct. Only 35% of the Nitrogen applied through urea is actually used by crops. India's yearly urea usage ranks just below that of China.

Statement 2 is incorrect. Urea gold is made up of 37% Nitrogen and 17% Sulphur.

Source: [ForumIAS](#)

Q.7) With reference to Samudrayaan Mission, consider the following statements:

1. It is India's first unmanned ocean mission.
2. It is designed to study deep-sea resources and conduct biodiversity assessments.
3. The submersible will only be used for exploration purposes, causing minimum to zero damage to the ecosystem.
4. The National Institute of Technology (NIT) in Chennai is designing and developing the Samudrayaan project.

How many of the above statements are correct?

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

Answer: B

Explanation –

Statements 2 and 3 are correct. Samudrayaan Mission is designed to study deep-sea resources and conduct biodiversity assessments. The submersible will only be used for exploration purposes, causing minimum to zero damage to the ecosystem.

Statements 1 and 4 are incorrect. It is India's first manned ocean mission. The National Institute of Ocean Technology (NIOT) in Chennai is designing and developing the Samudrayaan project and it is likely to be ready by 2026.

Source: [DNA](#)

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Q.8) With reference to the Digital Personal Data Protection (DPDP) Act 2023, consider the following statements:

1. It intends to increase accountability among internet companies, mobile apps, and businesses regarding citizens' data, in line with the Right to Privacy.
2. It places several obligations on data fiduciaries to safeguard personal data and privacy.

Select the correct answer form 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. DPDP Act 2023 intends to increase accountability among internet companies, mobile apps, and businesses regarding citizens' data, in line with the Right to Privacy. It places several obligations on data fiduciaries to safeguard personal data and privacy.

Source: [DNA](#)

Q.9) Consider the following statements:

1. Earthquakes occur due to the gravitational pull of the moon and stars on the Earth's surface.
2. Nearly 59% of the land mass of India is prone to earthquakes.
3. When energy is released at the focus, seismic waves travel inward from that point in all directions.

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: B

Explanation -

Statements 1 and 3 are incorrect. An earthquake is caused by tremors due to the movement of the tectonic plates inside the earth. An earthquake originates from 'focus', a place inside Earth's crust. The nearest place on the surface from a focus is called 'epicentre'. When energy is released at the focus, seismic waves travel outward from that point in all directions.

Statement 2 is correct. According to the government of India, a total of nearly 59% of the land mass of India (covering all states of India) is prone to earthquakes of different intensities.

Source: [DNA](#)

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PRELIMS

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

1. It involves rearranging an organism's DNA to create new genetic codes.
2. Metagenomics, a type of genome sequencing technique, rapidly studies the virus's genetic information, without prior knowledge of the infectious agent.
3. Genome sequencing has helped scientists to control the mpox virus.

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. Genome sequencing is process of figuring out the order of DNA nucleotides, or bases, in a genome that make up an organism's DNA.

Statements 2 and 3 are correct. Metagenomics, a type of genome sequencing technique, rapidly studies the virus's genetic information, without prior knowledge of the infectious agent. Genome sequencing has helped scientists to control the mpox virus.

Source: [ForumIAS](#)

Q.2) With reference to Aditya – L1 Mission, consider the following statements:

1. It is the first Indian space mission to observe the Sun and the solar corona.
2. Visible Emission Line Coronagraph (VELC) is the largest payload to be carried on the Aditya-L1.
3. Out of seven payloads, its four payloads will directly view the Sun.

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. Aditya – L1 Mission is the first Indian space mission to observe the Sun and the solar corona. VELC is the largest payload to be carried on board the Aditya-L1. Out of seven payloads, it four payloads will directly view the Sun and the remaining three payloads will carry out in-situ studies of particles and fields at L1.

Source: [ForumIAS](#)

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

1. Microplastics are biodegradable.
2. Microbeads are a type of microplastic.
3. Microplastics have been suggested to have an indirect role in conditions such as obesity.

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. Microplastics are non-biodegradable.

Statements 2 and 3 are correct. Microbeads are a type of microplastic. Microplastics have been suggested to have an indirect role in conditions such as obesity.

Source: [ForumIAS](#)

Q.4) Consider the following statements:

1. Pradhan Mantri Awas Yojana Urban offers free internet services to residents in urban areas to promote digital connectivity and online education, as part of its affordable housing initiative.
2. Vishwakarma scheme aims to improve the quality, scale and reach of products and services of artisans and craftspeople and to integrate them with the domestic and global value chain.

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. PMAY-U is a flagship housing scheme launched by the Government of India to provide affordable housing to urban residents. The scheme aims to address the housing needs of the economically weaker sections, low-income groups, and middle-income groups in urban areas across the country.

Statement 2 is correct. Vishwakarma scheme aims to improve the quality, scale and reach of products and services of artisans and craftspeople and to integrate them with the domestic and global value chain.

Source: [ForumIAS](#)

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Q.5) With reference to Luna 25 Mission, consider the following statements:

1. The mission has been launched by Russia.
2. Luna-25 does not carry a rover.
3. Luna-25 weighs heavier than Chandrayaan-3.
4. It aims to execute a pinpoint landing near the moon's south pole.

How many of the above statements above are correct?

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

Answer: C

Explanation –

Statements 1, 2 and 4 are correct. Luna 25 Mission has been launched by Russia. It does not carry a rover. It aims to execute a pinpoint landing near the moon's south pole.

Statement 3 is incorrect. Luna-25 weighs much less than Chandrayaan-3.

Source: [ForumIAS](#)

Q.6) Consider the following statements:

1. Jim Corbett National Park is located in Uttarakhand.
2. White-rumped vulture is categorized as Vulnerable in the IUCN Red List.
3. Oriental darter bird is found in India.

Which of the statements given above is/are correct?

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

Answer: B

Explanation –

Statements 1 and 3 are correct. Jim Corbett National Park is located in Uttarakhand. Oriental darter bird is found in India.

Statement 2 is incorrect. White-rumped vulture is categorized as Critically Endangered in the IUCN Red List.

Source: [ForumIAS](#)

Q.7) Consider the following statements:

1. The Kola Peninsula is a landlocked region located within the African continent.
2. Murmansk port is situated in southern Russia, along the Black Sea coast.
3. The Northern Sea Route (NSR) is a waterway that runs along the southern coast of Africa, connecting the Indian Ocean to the Atlantic Ocean.

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. Kola Peninsula is a peninsula in the extreme northwest of Russia and one of the largest peninsulas of Europe. Murmansk port is located in northwestern

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Russia, on the Kola Peninsula, near the Barents Sea and the Arctic Ocean. NSR connects the eastern and western parts of the Arctic Ocean. It is the shortest shipping route connecting the western part of Eurasia and the Asia-Pacific region.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. The India Graphene Engineering and Innovation Centre (I-GEIC) is a research facility focused on developing advanced agricultural techniques for rural communities.
2. A Maker Village is a traditional marketplace where artisans trade handmade goods and livestock.
3. Graphene is stronger than steel.

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 –

Statements 1 and 2 are incorrect. I-GEIC has been established in Kerala. It will fill the gap between R&D and commercialization by providing a complete facility to startup and industry. Maker Village is a pioneering startup initiative of the Ministry of Electronics and Information Technology, Government of India with Indian Institute of Information Technology, Trivandrum as the implementation agency and Kerala Startup Mission as the supporting partner.

Statement 3 is correct. Graphene is stronger than steel, very stretchable and can be used as a flexible conductor. Its thermal conductivity is much higher than that of silver.

Source: [ForumIAS](#)

Q.9) With reference to Inclusive Conservation Initiative (ICI) consider the following statements:

1. The initiative will get technical support and supervision by Conservation International and the International Union for Conservation of Nature (IUCN).
2. It aims to protect endangered species by encouraging their relocation.

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. ICI will get technical support and supervision by the IUCN and Conservation International.

Statement 2 is incorrect. ICI aims to enhance Indigenous Peoples' and Local Communities' (IPs and LCs) efforts to protect land, waters and natural resources to deliver global environmental benefits.

Source: [ForumIAS](#)

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Q.10) Who of the following was known as Gandhiburi?

- a) Kanaklata Barua
- b) Matangini Hazra
- c) Lakshmi Sahgal
- d) Tara Rani Srivastava

Answer: B

Explanation – Matangini Hazra followed the path of Mahatama Gandhi and hence was also came to be known as Gandhiburi (the old Gandhian woman).

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

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PRELIMS

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

1. It is a Central Sector Scheme.
2. It aims to establish a network of space research centers to explore celestial phenomena and extraterrestrial life.
3. The duration of the scheme is 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: C

Explanation –

Statements 1 and 3 are correct. Vishwakarma Scheme is a Central Sector Scheme. The duration of the scheme is for five years (FY 2023-24 to FY 2027-28).

Statement 2 is incorrect. It aims to improve the quality, as well as the reach of products and services of artisans and craftspeople and to ensure that the Vishwakarmas are integrated with the domestic and global value chains.

Source: [ForumIAS](#)

Q.2) With reference to PM-eBus Sewa Scheme, consider the following statements:

1. An e-bus is any bus whose propulsion and accessory systems are powered exclusively by a zero-emissions electricity source.
2. The scheme will help reduce noise and air pollution in Indian cities and also curb carbon emissions.
3. The scheme also aims to establish a network of underwater public transportation using specially designed electric buses that can navigate through submerged tunnels.

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. An e-bus is any bus whose propulsion and accessory systems are powered exclusively by a zero-emissions electricity source. The scheme will help reduce noise and air pollution in Indian cities and also curb carbon emissions.

Statement 3 is incorrect. The scheme aims to enhance green mobility in the cities. It will cover cities of Three lakh and above population as per census 2011 including all the Capital cities of Union Territories, North Eastern Region and Hill States.

Source: [ForumIAS](#)

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

1. It is the world's first humanoid pilot.
2. It can fly an aero plane just like a human pilot by manipulating all the single controls in the cockpit, which is designed for humans.

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. Pibot is the world's first humanoid pilot. It can fly an aero plane just like a human pilot by manipulating all the single controls in the cockpit, which is designed for humans.

Source: [ForumIAS](#)

Q.4) With reference to Tylototriton zaimeng, consider the following statements:

1. It is a species of tropical fish commonly found in the Amazon rainforest.
2. It possesses a broad and substantial head with a rounded snout and prominent bony ridges on top, complemented by a noticeable sagittal ridge along its crown.

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. Tylototriton zaimeng is a salamander species found in the Zaimeng Lake of Manipur.

Statement 2 is correct. Tylototriton zaimeng possesses a broad and substantial head with a rounded snout and prominent bony ridges on top, complemented by a noticeable sagittal ridge along its crown.

Source: [ForumIAS](#)

Q.5) With reference to Zaimeng Lake, consider the following statements:

1. Zaimeng Lake is found within the Himalayan region, situated atop the Pir Panjal Mountain ranges in Jammu and Kashmir.
2. The majority of the lake consists primarily of a dense mixture of marshy vegetation, including thick grass-like weeds, reeds, and various types of green mosses.

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. Zaimeng Lake is located atop the Khongtheng mountain ranges in the region of Manipur.

Statement 2 is correct. The majority of the lake consists primarily of a dense mixture of marshy vegetation, including thick grass-like weeds, reeds, and various types of green mosses.

Source: [ForumIAS](#)

Q.6) Which of the following is the objective of SAMUDRA app?

- It aims to offer comprehensive information on all ocean related services, useful for both seafarers and the fishing community.
- Its goal is to recruit individuals to investigate the ocean floor in search of gas reserves.
- Its objective is to furnish fishermen with comprehensive details about marine creatures, thereby enriching their understanding of fish species.
- It aims to offer foundational knowledge to individuals aspiring to begin a career in the shipping industry.

Answer: A

Explanation – SAMUDRA stands for Smart Access to Marine Users for Ocean Data Resources and Advisories. It aims to offer comprehensive information on all ocean related services, useful for both seafarers and the fishing community.

Source: [ForumIAS](#)

Q.7) Which of the following countries Danube River passes through?

- Ireland, Iceland, Albania, Malta
- Cyprus, Luxemburg, Solvenia, Belarus
- Germany, Austria, Slovakia, Hungary
- Estonia, Montengro, Kosovo, Lithuania

Answer: C

Explanation – Danube is the second-longest river in Europe, after the Volga in Russia. It originates in the Black Forest of Germany, the Danube flows southeastward through or along the borders of ten nations, including Austria, Slovakia, Hungary, Croatia, Serbia, Bulgaria, Romania, Moldova, and Ukraine, before finally reaching its delta at the Black Sea.

Source: [ForumIAS](#)

Q.8) With reference to Global Initiative on Digital Health, consider the following statements:

- It has been launched by the World Bank in collaboration with Clinton Health Access Initiative (CHAI).
- It is aimed at data convergence, interface of health platforms and investments in the digital health space around the globe.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

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Statement 1 is incorrect. Global Initiative on Digital Health has been launched by India in collaboration with the World Health Organization (WHO).

Statement 2 is correct. It is aimed at data convergence, interface of health platforms and investments in the digital health space around the globe.

Source: [ForumIAS](#)

Q.9) With reference to Sulina Channel, consider the following statements:

1. The Sulina Channel is located in the northwestern part of the Danube Delta.
2. The channel's primary purpose is to facilitate navigation and trade between the Danube River and the Black Sea.
3. It lies completely within the borders of Romania.

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 Sulina Channel is located in the northeastern part of the Danube Delta.

Statements 2 and 3 are correct. The channel's primary purpose is to facilitate navigation and trade between the Danube River and the Black Sea. It lies completely within the borders of Romania, a NATO member.

Source: [ForumIAS](#)

Q.10) Consider the following statements:

1. Wildlife Crime Control Bureau (WCCB) combats wildlife crime and enforce the provisions of the Wildlife (Protection) Act, 1972.
2. Elephant reserves and corridors are legally protected under the Wildlife Protection Act (WLPA), 1972.

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 2 is incorrect. Elephant reserves and corridors have no legal sanctity under the Wildlife Protection Act (WLPA), 1972.

Statement 1 is correct. WCCB combats wildlife crime and enforce the provisions of the Wildlife (Protection) Act, 1972.

Source: [ForumIAS](#)

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PRELIMS

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

1. It aims to provide a seven-day advisory on the chances of floods at various stations in the country where the CWC maintains its measurement gauges.
2. It utilizes advanced technologies such as satellite data analysis, mathematical modeling and real-time monitoring to deliver accurate and timely flood forecasts.
3. The app has been launched by the Central Pollution Control Board (CPCB).

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. Floodwatch App aims to provide a seven-day advisory on the chances of floods at various stations in the country where the CWC maintains its measurement gauges. It utilizes advanced technologies such as satellite data analysis, mathematical modeling and real-time monitoring to deliver accurate and timely flood forecasts.

Statement 3 is incorrect. The app has been launched by the Central Water Commission (CWC).

Source: [ForumIAS](#)

Q.2) Consider the following statements:

1. Climate terminations refer to sudden changes in weather patterns caused by shifts in ocean currents and solar radiation, leading to long periods of stable and consistent climate conditions.
2. Methane spike marked shift in past climate terminations.

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. Climate terminations refer to periods of significant and often rapid climate change that mark the transition between glacial (cold) and interglacial (warmer) periods in Earth's history.

Statement 2 is correct. Methane spike marked shift in past Climate Terminations. Methane levels have surged since 2006.

Source: [ForumIAS](#)

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Q.3) Consider the following statements:

1. A 5G network incorporates several software-based technologies such as NFV, SDN, and control plane/user plane segregation.
2. Zero-day attacks happen when hackers exploit vulnerabilities in computer programs that have already been fixed and secured by software developers.

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. A 5G network incorporates several software-based technologies such as NFV, SDN, and control plane/user plane segregation.

Statement 2 is incorrect. Zero-day attacks happen when hackers exploit vulnerabilities in software before the software developers have had a chance to release a fix or patch for those vulnerabilities.

Source: [ForumIAS](#)

Q.4) Consider the following statements:

1. Sanchar Saathi Portal is a platform for connecting people with opportunities in the field of telecommunications and networking, allowing users to learn about various career paths and job openings in the industry.
2. The government is making it mandatory for telecom operators to register franchisees, PoS agents, and distributors to prevent fraudulent issuance of SIM cards to malicious individuals.

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. Sanchar Saathi Portal is a citizen-centric initiative of the Department of Telecommunications to empower mobile subscribers, strengthen their security and increase awareness about citizen-centric initiatives of the Government.

Statement 2 is correct. The government is making it mandatory for telecom operators to register franchisees, PoS agents, and distributors to prevent fraudulent issuance of SIM cards to malicious individuals.

Source: [ForumIAS](#)

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Q.5) Consider the following statements with reference to Nanoindentation Technique:

1. It is particularly useful for testing small-scale samples or thin films that cannot be accurately tested using traditional macroscopic methods.
2. It is a technique used to measure the color and reflectivity of materials at the nanometer scale, providing insights into their optical properties and surface appearance.
3. Nanoindentation results can provide insights into a material's microstructure, including grain boundaries, phase changes, and defects.

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. Nanoindentation Technique is particularly useful for testing small-scale samples or thin films that cannot be accurately tested using traditional macroscopic methods. Nanoindentation results can provide insights into a material's microstructure, including grain boundaries, phase changes, and defects.

Statement 2 is incorrect. Nanoindentation is a materials testing technique used to measure mechanical properties such as hardness, elastic modulus and other material responses at very small scales, often on the order of nanometers.

Source: [ForumIAS](#)

Q.6) Consider the following statements:

1. Project-17 Alpha is also known as the Nilgiri class frigate project.
2. INS Vindhyagiri is the sixth stealth frigate constructed under Project-17 Alpha.

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. Project-17 Alpha is also known as the Nilgiri class frigate project. INS Vindhyagiri is the sixth stealth frigate constructed under Project-17 Alpha.

Source: [ForumIAS](#)

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Q.7) With reference to UDGAM Portal, consider the following statements:

1. It is a platform designed to promote environmental conservation by encouraging the use of single-use/biodegradable plastics and disposable products in everyday life.
2. It has been launched by the Reserve Bank of India (RBI).

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. UDGAM Portal stands for Unclaimed Deposits – Gateway to Access information. Its aim is to aid users to identify their unclaimed deposits/ accounts and enable them to either claim the deposit amount or make their deposit accounts operative at their respective banks.

Statement 2 is correct. The portal has been launched by the RBI.

Source: [ForumIAS](#)

Q.8) With reference to Small Modular Reactors (SMRs) consider the following statements:

1. SMRs require significant upfront capital investment and have higher operational costs than the conventional nuclear power plants.
2. SMRs are adaptable and can be scaled up or down to supply more or less power.
3. SMR-based power plants might only need to refuel every three to seven years, as opposed to every one to two years for traditional plants.

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. SMRs aim to achieve economies of scale through modular construction and standardized designs, potentially making them more cost-effective for smaller energy markets or remote locations than the conventional nuclear power plants.

Statements 2 and **3** are correct. SMRs are adaptable and can be scaled up or down to supply more or less power. SMR-based power plants might only need to refuel every three to seven years, as opposed to every one to two years for traditional plants.

Source: [ForumIAS](#)

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Q.9) Consider the following statements:

1. India does not have a legal ban on smartphones in schools.
2. As per the State of Elementary Education in Rural India report 2023, around 49.3% of students in rural India have access to smartphones.

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. India does not have a legal ban on smartphones in schools. As per the State of Elementary Education in Rural India report 2023, around 49.3% of students in rural India have access to smartphones.

Source: [ForumIAS](#)

Q.10) Consider the following statements:

1. In the Lok Sabha, members causing disruptions can be suspended under Rule 256.
2. Rules of the Houses of Parliament are framed under Article 118 of the Constitution.

Select the correct answer from the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. In the Lok Sabha, members causing disruptions can be suspended under Rule 374 while in the Rajya Sabha, a similar procedure is followed under Rule 256.

Statement 2 is correct. Rules of the Houses of Parliament are framed under Article 118 of the Constitution.

Source: [ForumIAS](#)