

10 PM Current Affairs Quiz Compilation

24th to 29th April, 2023

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

PRELIMS

Q.1) Consider the following statements with respect to “Helopeltis theivora”:

1. Helopeltis theivora is a Tea Mosquito Bug.
2. It is a major sucking pest of tea in most tea-producing countries.
3. It cannot be controlled by using synthetic pesticides.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statement 1 and 2 are correct. Helopeltis theivora is a Tea Mosquito Bug. It is a major sucking pest of tea in most tea-producing countries.

Statement 3 is incorrect. The Tea Mosquito Bug can be controlled by using synthetic pesticides.

Source: [ForumIAS](#)

Q.2) With reference to “Eat Right Food Streets Project” consider the following statements:

1. The aim of the project is to discard the sale of certain street foods as notified by the Central Government.
2. The project will be implemented through the National Health Mission (NHM) in convergence with the Ministry of Housing and Urban Affairs and with technical support from the Food Safety and Standards Authority of India (FSSAI).

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 aim of this project is to encourage safe and healthy practices to reduce food-borne illnesses and improve overall health outcomes.

Statement 2 is correct. The project will be implemented through the National Health Mission (NHM) in convergence with the Ministry of Housing and Urban Affairs and with technical support from the Food Safety and Standards Authority of India (FSSAI).

Source: [ForumIAS](#)

Q.3) With reference to Special Marriage Act, 1954, consider the following statements:

1. The marriage under this act is sanctioned by the priests of the respective religion of the couples.
2. The SMA allows marriage between inter-faith or inter-caste couples without giving up religious identity or opting for conversion.
3. People of all faiths across India are eligible to get married under the SMA.

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 Special Marriage Act of 1954 (SMA) governs a civil marriage where the state sanctions the marriage rather than the religion.

Statement 2 and 3 are correct. The SMA allows marriage between inter-faith or inter-caste couples without giving up religious identity or opting for conversion. People of all faiths across India are eligible to get married under the SMA.

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

Q.4) With reference to the “Mission 50K-EV4ECO” consider the following statements:

1. The Mission has been launched by the Indian Space Research Organization (ISRO) in collaboration with the European Space Agency (ESA).
2. The aim of the mission is to study the evolution of exoplanets.

Select the correct statements using the code given below:

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

Answer: D

Explanation –

Statement 1 and 2 are incorrect. Mission 50K-EV4ECO has been launched by Small Industries Development Bank of India (SIDBI). The aim of the mission is to increase the uptake of electric two-wheelers, three-wheelers and four-wheelers through direct and indirect lending support to vehicle aggregators, fleet operators and leasing companies.

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

Q.5) The Ministry of Electronics and Information Technology has proposed a new set of rules that would allow private entities to carry out Aadhaar authentication. With reference to these rules consider the following statements:

1. Private businesses will be now allowed to carry out Aadhaar authentication for purposes such as prevention of dissipation of social welfare benefits.
2. Private entities that want to use Aadhaar authentication will have to submit a proposal to the Central government with justification for their purpose.

Select the correct answer from the code given below:

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

Answer: C

Explanation –

Statement 1 and 2 are correct. As per the rules, Private businesses will be now allowed to carry out Aadhaar authentication for purposes such as prevention of dissipation of social welfare benefits. Private entities that want to use Aadhaar authentication will have to submit a proposal to the Central government with justification for their purpose.

Source: [ForumIAS](#)

Q.6) Consider the following statements with respect to “Tea Production in India”:

1. India is the world’s largest producer of tea.
2. India is also the largest black tea producer in the world.
3. Currently, small tea growers contribute 52 percent of India’s tea production.

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. India is the world’s second-largest producer of tea after China.

Statement 2 and 3 are correct. India is the largest black tea producer. Currently, small tea growers contribute 52 percent of India’s tea production. India is the 4th largest tea exporter in the world.

Source: [ForumIAS](#)

Q.7) Consider the following statements:

1. Sodium-ion battery has no over-discharge characteristics.
2. Sodium-ion batteries are costlier than Lithium-ion batteries.
3. Sodium-ion batteries have faster charging times and could have a longer lifespan compared to lithium-ion batteries.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statement 1 and 3 are correct. Sodium-ion battery has no over-discharge characteristics, which means it can be allowed to discharge to zero volts. Sodium-ion batteries have faster charging times and could have a longer lifespan compared to lithium-ion batteries.

Statement 2 is incorrect. A sodium-ion battery is 20-30 percent cheaper than lithium-ion battery.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. India's share of sub-national (state plus local) spending is at 60 percent of total spending amount.
2. Only Canada and China spend more than 70 percent at the subnational level.
3. India's local government spend is less than 4 percent of total government spending.

Which of the statements given above are correct?

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

Answer: D

Explanation –

Statement 1, 2 and 3 are correct. India's share of sub-national (state plus local) spending is at 60 percent of total spending amount. Only Canada and China spend more than 70 percent at the subnational level. India's local government spend is less than 4 percent of total government spending.

Source: [ForumIAS](#)

Q.9) Consider the following statements:

1. While classical computing uses bits as its fundamental units of data, quantum computing uses qubits.
2. Qubits can exist only exist in a single state at any given time while Classical bits can exist in multiple states at once.
3. Quantum computing has the potential to solve complex problems in areas such as cryptography, optimization, materials science, and drug discovery that are currently intractable for classical computers.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statement 1 and 3 are correct. While classical computing uses bits as its fundamental units of data, quantum computing uses qubits. Quantum computing has the potential to solve complex problems in areas such as cryptography, optimization, materials science, and drug discovery that are currently intractable for classical computers.

Statement 2 is incorrect. Classical bits can only exist in a single state at any given time, either 0 or 1. Qubits, however, can exist in a superposition of states, meaning they can be in multiple states at once.

Source: [ForumIAS](#)

Q.10) With reference to United Nations Population Fund (UNFPA) consider the following statements:

1. Its aim is to count the world's growing populations and suggest measures to allocate resources efficiently.
2. UNFPA partners with governments, other agencies and civil society to advance its mission.
3. It also focuses on improving the lives of youths and women by advocating for human rights and gender equality and by promoting the understanding of population dynamics.

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. UNFPA is the United Nations sexual and reproductive health agency. Its mission is to deliver a world where every pregnancy is wanted, every childbirth is safe and every young person's potential is fulfilled.

Statement 2 and 3 are correct. UNFPA partners with governments, other agencies and civil society to advance its mission. It also focuses on improving the lives of youths and women by advocating for human rights and gender equality and by promoting the understanding of population dynamics.

Source: [ForumIAS](#)

10 PM Compilation for the Month of April, (Fourth Week) 2023

Q.1) With reference to “PRAYAG Platform” consider the following statements:

1. It is a real-time monitoring centre for planning and monitoring projects and river water quality through various online dashboards.
2. It has been launched by the Ministry of Ports, Shipping and Waterways.

Select the correct answer from the code given below:

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

Answer: A

Explanation –

Statement 1 is correct. PRAYAG Platform is a real-time monitoring centre for planning and monitoring projects and river water quality through various online dashboards.

Statement 2 is incorrect. It has been launched by the Ministry of Jal Shakti.

Source: [ForumIAS](#)

Q.2) With reference to “Hakki-Pikki Tribe” consider the following statements:

1. They are known for their indigenous medicines.
2. They are non-vegetarians.
3. They speak Dravidian language.

Which of the statements given above is/are correct?

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

Answer: A

Explanation –

Statement 1 and 2 are correct. Hakki-Pikki is one of the major tribal communities in Karnataka. They are known for their indigenous medicines. They are non-vegetarians.

Statement 3 is incorrect. They speak Indo-Aryan language.

Source: [ForumIAS](#)

Q.3) With reference to “Misinformation Combat Alliance” consider the following statements:

1. It is an alliance of media companies set up to combat misinformation and build tools to aid fact-checking.
2. The membership to the alliance is restricted to the media approved by the Press Council of India (PCI).

Select the correct answer from the code given below:

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

Answer: A

Explanation –

10 PM Compilation for the Month of April, (Fourth Week) 2023

Statement 1 is correct. Misinformation Combat Alliance is an alliance of media companies set up to combat misinformation and build tools to aid fact-checking.

Statement 2 is incorrect. Membership in the MCA is open to any organization that applies.

Source: [ForumIAS](#)

Q.4) The Ministry of Jal Shakti has released the report of the first census of water bodies.

With reference to this census consider the following statements:

1. Maharashtra accounts for most of the water bodies in India.
2. Tamil Nadu has the highest number of lakes in India.
3. West Bengal has the highest number of ponds and reservoirs in India.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. West Bengal accounts for most of the water bodies and Sikkim the least.

Statement 2 and 3 are correct. Tamil Nadu has the highest number of lakes and Maharashtra is the leading state with water conservation schemes. West Bengal has the highest number of ponds and reservoirs whereas Andhra Pradesh has the highest number of tanks.

Source: [ForumIAS](#)

Q.5) The Ministry of Civil Aviation has launched the fifth phase of the Regional Connectivity Scheme (RCS)-UDAN (Ude Desh Ka Aam Nagrik). With reference to UDAN 5.0, consider the following statements:

1. Airlines can now propose routes they want to fly under the UDAN 5.0.
2. Viability gap funding (VGF) will be provided at a 600 km stage length for both Priority and Non-Priority areas which were earlier capped at 500 km.

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. Airlines can now propose routes they want to fly under the UDAN 5.0. VGF will be provided at a 600 km stage length for both Priority and Non-Priority areas which were earlier capped at 500 km.

Source: [ForumIAS](#)

Q.6) Consider the following statements:

1. India's per capita commercial energy consumption has remained around a third of the global average.
2. India's share of global gas consumption is at 6%.
3. India cannot achieve geopolitical standing in a multi-polar world without addressing energy 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: C

Explanation –

Statement 1 and 3 are correct. India's per capita commercial energy consumption has remained around a third of the global average. India cannot achieve geopolitical standing in a multi-polar world without addressing energy poverty.

Statement 2 is incorrect. India's share of global gas consumption is just 1.5%.

Source: [ForumIAS](#)

Q.7) Consider the following statements:

1. Stratospheric Aerosol Injection (SAI) involves spraying carbon dioxide into the atmosphere to mimic the cooling effect of a volcanic eruption.
2. Temperature and humidity are rising with the climate change leading to high wet-bulb temperatures.

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. Stratospheric Aerosol Injection (SAI) involves spraying sulphur dioxide into the atmosphere to mimic the cooling effect of a volcanic eruption.

Statement 2 is correct. Temperature and humidity are rising with the climate change leading to high wet-bulb temperatures.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. Acharya Jagadish Chandra (AJC) Bose Indian Botanic Garden is the oldest of the Indian Botanic gardens.
2. New Delhi is the headquarter of the Botanical Survey of India.
3. Globally, botanical gardens are important centres for plant exploration, discovery and research, and biodiversity outreach.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statement 1 and 3 are correct. AJC Bose Indian Botanic Garden is the oldest of the Indian Botanic gardens. Globally, botanical gardens are important centres for plant exploration, discovery and research, and biodiversity outreach.

Statement 2 is incorrect. Kolkata is the headquarter of the Botanical Survey of India.

Source: [ForumIAS](#)

Q.9) Consider the following statements:

1. The share of women employed in unpaid labour has decreased even for highly educated women.
2. Muslim women have had the lowest Labour Force Participation rate amongst all religious groups in the country over the past three years.

Select the correct answer from the code given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. The share of women employed in unpaid labour has increased even for highly educated women. In 2017-18, 6.2% of women with graduate or higher levels of education worked as unpaid helpers. By 2021-22, this share had increased to 11.2 per cent.

Statement 2 is correct. Over the past three years, Muslim women have had the lowest LFP rate amongst all religious groups in the country.

Source: [ForumIAS](#)

Q.10) With reference to Geographical Indicator (GI) tag, consider the following statements:

1. A GI tag identifies a product as originating from a particular region.
2. GI tags are issued as per the Geographical Indications of Goods (Registration and Protection) Act, of 1999.
3. A GI tag given to a product may increase the income of the farmers, manufacturers, and artisans who work on them.

Which of the statements given above are correct?

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

Answer: D

Explanation –

Statement 1, 2 and 3 are correct. A GI tag identifies a product as originating from a particular region. GI tags are issued as per the Geographical Indications of Goods (Registration and Protection) Act, of 1999. A GI tag given to a product may increase the income of the farmers, manufacturers, and artisans who work on them.

Source: [DNA](#)

PRELIMS

Q.1) With referenced to Logistics Performance Index 2023, consider the following statements:

1. The index has been released by the World Bank.
2. It is an interactive benchmarking tool created to help countries identify the challenges and opportunities they face in their performance on trade logistics.
3. The rank of India in the index has declined.

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: A

Explanation –

Statement 1 and 2 are correct. Logistics Performance Index 2023 has been released by the World Bank. It is an interactive benchmarking tool created to help countries identify the challenges and opportunities they face in their performance on trade logistics.

Statement 3 is incorrect. India is ranked 38 out of 139 countries, climbing six places from the previous index.

Source: [ForumIAS](#)

Q.2) With reference to “LockBit Ransomware” consider the following statements:

1. It is designed to infiltrate victims’ systems and encrypt important files.
2. The virus is categorized as a crypto virus due to its requests for payment in cryptocurrency.
3. It works as a self-spreading malware, and it does not require additional instructions once it has successfully infiltrated a single device with access to an organizational intranet.

Which of the statements given above are correct?

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

Answer: D

Explanation –

Statement 1, 2 and 3 are correct. LockBit Ransomware is designed to infiltrate victims’ systems and encrypt important files. The virus is categorized as a crypto virus due to its requests for payment in cryptocurrency to decrypt files on the victim’s device. It works as a self-spreading malware, not requiring additional instructions once it has successfully infiltrated a single device with access to an organizational intranet.

Source: [ForumIAS](#)

Q.3) The European Parliament has approved the Markets in Crypto Assets (MiCA) regulations. With reference to “MiCA” consider the following statements:

1. The rules require every crypto asset service provider (CASPs) to get incorporated as a legal entity in the EU.
2. The rules require the CASPs to register with every member of the EU to get authorization and conduct business.
3. The rules address environmental concerns surrounding crypto.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statement 1 and 3 are correct. The rules require every crypto asset service provider (CASPs) to get incorporated as a legal entity in the EU. The rules also address environmental concerns surrounding crypto, with firms forced to disclose their energy consumption as well as the impact of digital assets on the environment.

Statement 2 is incorrect. CASPs can get authorized in any one-member country and will be allowed to conduct their services across the 27 countries.

Source: [ForumIAS](#)

Q.4) Consider the following statements with respect to “Ponzi scheme”:

1. Under the scheme, organizers often promise to invest money and generate high returns with little or no risk.
2. Under the scheme, older investors get profits from the money earned from their investments.
3. In India, Ponzi schemes are banned under the Banning of Unregulated Deposit Schemes Act, 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: C

Explanation –

Statement 1 and 3 are correct. Under the Ponzi scheme, organizers often promise to invest your money and generate high returns with little or no risk. In India, Ponzi schemes are banned under the Banning of Unregulated Deposit Schemes Act, 2019.

Statement 2 is incorrect. Under the scheme, older investors get payouts from the investments of new investors, rather than profits earned.

Source: [ForumIAS](#)

Q.5) With reference to National Aquifer Mapping and Management Programme (NAQUIM) consider the following statements:

1. The programme aims to identify and map aquifers at the micro level to quantify the available groundwater resources.
2. There are four stages of activities in NAQUIM.
3. It aims to adopt a cluster-based approach for locating the aquifers.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statement 1 and 2 are correct. NAQUIM aims to identify and map aquifers at the micro level to quantify the available groundwater resources. There are four stages of activities in NAQUIM.

Statement 3 is incorrect. It aims to promote participatory groundwater management.

Source: [ForumIAS](#)

Q.6) With reference to Indian Ballistic Missile Defence (BMD) Program, consider the following statements:

1. It is an initiative to develop and deploy a multi-layered ballistic missile defence system to protect India from ballistic missile attacks.
2. India launched the BMD program after Sino-India war of 1962.

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. BMD program is an initiative to develop and deploy a multi-layered ballistic missile defence system to protect India from ballistic missile attacks.

Statement 2 is incorrect. India launched the BMD program after the Kargil war in 1999 to counter the enemy nation's widening spectrum of ballistic missiles that usually delivered both conventional and nuclear warheads.

Source: [ForumIAS](#)

Q.7) Consider the following statements:

1. India is the largest importer of gold.
2. India's official gold imports has risen in the Fiscal Year 2022-23.
3. There has been a sharp increase in the smuggling of gold in the recent 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 –

Statement 1 and 3 are correct. India is the largest importer of gold. There has been a sharp increase in the smuggling of gold in the recent years.

Statement 2 is incorrect. India's official gold imports fell around 24% to \$35 billion in 2022-23 due to the government raising import duties on gold and the rupee turned weaker.

Source: [ForumIAS](#)

Q.8) With reference to “Census of water bodies” consider the following statements:

1. As per the census, most of the water bodies are used in drinking purposes.
2. As per the census, 55.2% of water bodies are owned by private entities.
3. As per the census, 78% of enumerated water bodies are man-made.

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 census, most of the water bodies are used in pisciculture, followed by irrigation, groundwater recharge and domestic/drinking purposes.

Statement 2 and 3 are correct. 55.2% of water bodies are owned by private entities whereas 44.8% of water bodies are in the domain of public ownership. 78% of enumerated water bodies are man-made whereas the remaining 22% are natural water bodies.

Source: [ForumIAS](#)

Q.9) With reference to “Section 144 of the Code of Criminal Procedure (CrPC)” consider the following statements:

1. It authorizes the Executive Magistrate of any state or territory to issue an order to prohibit the assembly of four or more people in an area.
2. The order issued under the Section 144 can remain operative for the duration of four months.
3. Section 144 empowers the authorities to block the internet access.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statement 1 and 3 are correct. Section 144 authorizes the Executive Magistrate of any state or territory to issue an order to prohibit the assembly of four or more people in an area. It empowers the authorities to block the internet access.

Statement 2 is incorrect. No order under Section 144 shall remain in force for more than two months but the state government can extend the validity for two months and a maximum of up to six months.

Source: [ForumIAS](#)

Q.10) Matarbari Deep Sea Port is located in –

- a) Sri Lanka
- b) Bangladesh
- c) Afghanistan
- d) Malaysia

Answer: B

Explanation – Matarbari Deep Sea Port is located in Bangladesh.

Source: [ForumIAS](#)

PRELIMS

Q.1) With reference to Vibrant Villages Programme (VVP) consider the following statements:

1. It is a Centrally Sector Scheme.
2. The scheme covers selected states only.
3. Vibrant Village Action Plans will be created by the district administration with the help of Gram Panchayats.

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. VVP is a Centrally Sponsored Scheme.

Statement 2 and 3 are correct. The scheme will be implemented in Himachal Pradesh, Arunachal Pradesh, Sikkim, Uttarakhand and Ladakh. Vibrant Village Action Plans will be created by the district administration with the help of Gram Panchayats.

Source: [ForumIAS](#)

Q.2) With reference to “Operation Kaveri” consider the following statements:

1. It is a mission by India to evacuate its nationals from violence-hit Nigeria.
2. The operation has been named after River Kaveri.

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. Operation Kaveri is a mission by India to evacuate its nationals from violence-hit Sudan.

Statement 2 is correct. The operation has been named after River Kaveri.

Source: [ForumIAS](#)

Q.3) The term “ARTSENS” was seen in the news recently, is associated with –

- a) Cardiovascular diseases
- b) Colorectal Cancer
- c) Renal Tubular Acidosis
- d) Asthma

Answer: A

Explanation – ARTSENS is a novel, non-invasive device to assess the health and age of blood vessels and thereby provide early screening for cardiovascular diseases.

Source: [ForumIAS](#)

10 PM Compilation for the Month of April, (Fourth Week) 2023

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

1. It is a digital platform that aims to institutionalize holistic planning for major infrastructure projects.
2. Through Gati Shakti, different departments will be able to prioritise their projects through cross-sectoral interactions.

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. PM GatiShakti is a digital platform that aims to institutionalize holistic planning for major infrastructure projects. Through Gati Shakti, different departments will be able to prioritise their projects through cross-sectoral interactions.

Source: [ForumIAS](#)

Q.5) With reference to “Notifiable Disease” consider the following statements:

1. A notifiable disease is any disease that is required by law to be reported to government authorities.
2. Any failure to report a notifiable disease is a criminal offence.
3. The onus of notifying any disease and the implementation lies with the central government.

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

Statement 1 and 2 are correct. A notifiable disease is any disease that is required by law to be reported to government authorities. Any failure to report a notifiable disease is a criminal offence and the state government can take necessary actions against defaulters.

Statement 3 is incorrect. The onus of notifying any disease and the implementation lies with the state government.

Source: [ForumIAS](#)

10 PM Compilation for the Month of April, (Fourth Week) 2023

Q.6) With reference to the Indian Space Policy, 2023 consider the following statements:

1. As per policy, ISRO will focus primarily on research and development of new space technologies and applications.
2. The strategic activities related to the space sector will be carried out by the Indian National Space Promotion and Authorization Center (IN-SPACe).
3. The policy allows collaboration between international entities and the private sector on the commercialisation of products and services.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statement 1 and 3 are correct. As per policy, ISRO will focus primarily on research and development of new space technologies and applications. The policy allows collaboration between international entities and the private sector on the commercialisation of products and services, also on the development of next-generation technologies.

Statement 2 is incorrect. The strategic activities related to the space sector will be carried out by New Space India Limited (NSIL).

Source: [ForumIAS](#)

Q.7) Consider the following statements with respect to 'Humidity':

1. Humidity is a measurement of the amount of water vapour in the air.
2. The higher the relative humidity of air, the less it is filled with moisture.
3. Absolute humidity is equal to the mass of the moisture divided by the mass of air.

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 –

Statement 1 is correct. Humidity is a measurement of the amount of water vapour in the air.

Statement 2 and 3 are incorrect. The higher the relative humidity of air, the more it is filled with moisture. Absolute humidity is the mass of water vapour in a given volume of air and water vapour mixture expressed as kg/m³.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. Article 355 of the Constitution says that it shall be the duty of the Union to ensure that the government of every State is carried on in accordance with the provisions of the Constitution.
2. The Constitution gives an option to the Governor to sit on the bill passed by the Assembly.
3. Under Article 154 of the Constitution, the Governor can exercise his executive powers only on the advice of the Council of Ministers.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statement 1 and 3 are correct. Article 355 of the Constitution says that it shall be the duty of the Union to ensure that the government of every State is carried on in accordance with the provisions of the Constitution. Under Article 154 of the Constitution, the Governor can exercise his executive powers only on the advice of the Council of Ministers.

Statement 2 is incorrect. Sitting on a Bill passed by the Assembly is not an option given by the Constitution. The Governor, by doing so, is only acting against constitutional direction.

Source: [ForumIAS](#)

Q.9) Consider the following statements:

1. Nutrient-based Subsidy (NBS) provided a fixed amount of subsidy, based on the nutrient content present in them on each grade of subsidized Phosphatic and Potassic (P&K) fertilizer except Urea.
2. Nitrogen Use Efficiency (NUE) in India has fallen below the global average in 2018.
3. As per the report, the urea sales have fallen down in the fiscal year 2022-23.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statement 1 and 2 are correct. NBS) provided a fixed amount of subsidy, based on the nutrient content present in them on each grade of subsidized Phosphatic and Potassic (P&K) fertilizer except Urea. NUE in India has fallen from 48.2% in 1962-63 to 34.7% in 2018. It is below the global average of 45.3% and 53.3% for North America in 2018.

Statement 3 is incorrect. As per the report, sales of urea crossed a record 35.7 million tons (mt) in the fiscal year 2022-23.

Source: [ForumIAS](#)

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

1. The pot is mostly painted in bright red colour.
2. While making the pots, the five elements of nature namely earth, water, fire, sun and air are used.

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 pot is painted in different colours. The Manamadurai Pottery has recently received GI tag.

Statement 2 is correct. While making these pots, the five elements of nature namely earth, water, fire, sun and air are used.

Source: [ForumIAS](#)

Q.1) With reference to “Vaigai River” consider the following statements:

1. It originates from the Agastyarkoodam peak of Pothigai hills of the Western Ghats.
2. It travels through the Pandiya Nadu region of Tamil Nadu.
3. The Vattaparai Falls are also located on this river.

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. Vaigai River originates in the Varusanadu Hills, the Periyar Plateau of the Western Ghats range.

Statement 2 and 3 are correct. Vaigai River travels through the Pandiya Nadu region of Tamil Nadu. The Vattaparai Falls are also located on this river.

Source: [ForumIAS](#)

Q.2) Consider the following statements with respect to water bodies census:

1. Andhra Pradesh accounted for almost 40% of water bodies under encroachment.
2. No water body encroachment was reported from West Bengal.

Select the correct answer from the code given below:

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

Answer: B

Explanation –

10 PM Compilation for the Month of April, (Fourth Week) 2023

Statement 1 is incorrect. Uttar Pradesh accounted for almost 40% (15,301) of water bodies under encroachment, followed by Tamil Nadu (8,366) and Andhra Pradesh (3,920).

Statement 2 is correct. No encroachment was reported from West Bengal, Sikkim, Arunachal Pradesh, and Chandigarh.

Source: [ForumIAS](#)

Q.3) With reference to “Wet Bulb Temperature” consider the following statements:

1. It is a limit that considers heat and humidity beyond which humans cannot tolerate high temperatures.
2. It is measured by wrapping a dry cloth on a thermometer and observing the temperature at which evaporation occurs.
3. The highest acceptable wet-bulb temperature for humans is 35 °C for six hours.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statement 1 and 3 are correct. Wet Bulb Temperature is a limit that considers heat and humidity beyond which humans cannot tolerate high temperatures. The highest acceptable wet-bulb temperature for humans is 35 °C for six hours.

Statement 2 is incorrect. Wet Bulb Temperature is measured by wrapping a wet cloth on a thermometer and observing the temperature at which evaporation occurs.

Source: [ForumIAS](#)

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

1. It is an ecofriendly trap that is meant to trap fishes from the dirty ponds and lakes in India.
2. Eco Biotraps consists of a small bag containing a mixture of attractant and insecticide.

Select the correct answer from the code given below:

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

Answer: B

Explanation –

Statement 1 is incorrect. Eco Biotraps is an eco-friendly trap with attractants that attract female mosquitoes and lay eggs in the biotrap water.

Statement 2 is correct. Eco Biotraps consists of a small bag containing a mixture of attractant and insecticide. The Eco Biotraps is the world's first 'passive' and eco-friendly device and has been patented in 50 countries including India.

Source: [ForumIAS](#)

Q.5) With reference to “Uric Acid” consider the following statements:

1. It is one of the most important antioxidants that maintain blood pressure stability and reduce oxidative stress in living beings.
2. It is formed when the body breaks down substances called indole.

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. Uric Acid is one of the most important antioxidants that maintain blood pressure stability and reduce oxidative stress in living beings.

Statement 2 is incorrect. Uric Acid is formed when the body breaks down substances called purines. Purines are normally produced in the body and are also found in some foods and drinks.

Source: [ForumIAS](#)

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

1. It is considered as the last monumental structure built as a summer palace during the Mughal era.
2. It was originally built by Alamgir II.
3. The complex contains the beautiful white marble Moti Masjid and several royal graves.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statement 1 and 3 are correct. Zafar Mahal is considered as the last monumental structure built as a summer palace during the Mughal era. The complex contains the beautiful white marble Moti Masjid and several royal graves.

Statement 2 is incorrect. The Zafar Mahal then called Lal Mahal and Rang Mahal was originally built by Akbar Shah II in 1820. Later, the last Mughal emperor, Bahadur Shah II (Bahadur Shah Zafar) built the Hathi Gate and eventually gave it its present name, the Zafar Mahal.

Source: [ForumIAS](#)

Q.7) Which of the following Ministry is associated with the “Safe City Project”?

- a) Ministry of Defence
- b) Ministry of Corporate Affairs
- c) Ministry of Tribal Affairs
- d) Ministry of Home Affairs

Answer: D

Explanation – The Safe City Project is an initiative of the Ministry of Home Affairs in collaboration with the Ministry of Women and Child Development under the Nirbhaya Fund. It aims to create a safe, secure, and empowering environment for women and girls in public spaces.

Source: [ForumIAS](#)

Q.8) With reference to the State of World Population (SWP) Report 2023, consider the following statements:

1. As per the report, South America is the only region expected to experience an overall population decline by 2050.
2. As per the report, African countries have the highest fertility rates.
3. As per the report, two-thirds of India's total population are between the ages of 15 and 64.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. As per the report, Europe is the only region expected to experience an overall population decline by 2050.

Statement 2 and 3 are correct. As per the report, African countries have the highest fertility rates. As per the report, two-thirds of India's total population are between the ages of 15 and 64.

Source: [ForumIAS](#)

Q.9) With reference to 'Basic Structure Doctrine' consider the following statements:

1. The Doctrine maintains the secular nature of the Indian state.
2. The Doctrine does not find any basis in the Constitution.
3. The Doctrine lacks a clear definition of the basic structure.

Which of the statements given above are correct?

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

Answer: D

Explanation –

Statement 1, 2 and 3 are correct. The Doctrine maintains the secular nature of the Indian state, protecting the freedom of individuals to practice and profess any religion of their choice. The Doctrine does not find any basis in the Constitution as it has been evolved by the SC judgment. The Doctrine lacks a clear definition of the basic structure.

Source: [ForumIAS](#)

10 PM Compilation for the Month of April, (Fourth Week) 2023

Q.10) Consider the following statements:

1. In India, assent by the President or the Governor is an essential pre-requisite for any Bill to become law.
2. The President or Governor has discretion to refuse or delay assent to the Bill.
3. In UK, the Crown is part of the Parliament.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statement 1 and 3 are correct. In India, assent by the President or the Governor is an essential pre-requisite for any Bill to become law. In UK, the Crown is part of Parliament.

Statement 2 is incorrect. The President or Governor does not have discretion to refuse or delay assent.

Source: [LiveLaw](https://www.livelaw.in)

PRELIMS

Q.1) Consider the following statements:

1. Millets are the most secure crops for small farmers.
2. The area under cultivation of various millets in India has been increasing.
3. Brown top Millet is produced in India.

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 –

Statement 1 and 3 are correct. Millets are the most secure crops for small farmers as they are resilient and climate adaptable in both hot and drought environments. India produces all the nine commonly known traditional millets viz. Sorghum, Pearl Millet, Finger Millet, Foxtail Millet, Proso Millet, Little Millet, Barnyard Millet, Browntop Millet and Kodo Millet.

Statement 2 is incorrect. The area under cultivation of various millets in India has been declining.

Source: [ForumIAS](#)

Q.2) With reference to “Nano DAP” consider the following statements:

1. It aims to bring down India’s fertilizer import bill.
2. DAP is the second most consumed fertilizer in the country after urea.
3. It has been manufactured by Food Safety and Standards Authority of India (FSSAI).

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statement 1 and 2 are correct. Nano DAP will help to bring down India’s fertilizer import bill. DAP is the second most consumed fertilizer in the country after urea.

Statement 3 is incorrect. Nano-DAP is jointly manufactured by Indian Farmers Fertiliser Cooperative (IFFCO) in association with a private player Coromandel.

Source: [ForumIAS](#)

Q.3) Consider the following statements:

1. The Constitution gives power to states to impose any tax or duty on the generation of electricity.
2. Article 286 of the Constitution prohibits states from imposing any taxes or duties on the supply of goods or services or on both where the supply takes place outside the state.

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. Entry-53 of List-II (State List) authorizes states to put taxes on the consumption or sale of electricity in its jurisdiction. This does not include the power to impose any tax or duty on the generation of electricity.

Statement 2 is correct. Article 286 of the Constitution prohibits states from imposing any taxes or duties on the supply of goods or services or on both where the supply takes place outside the state.

Source: [ForumIAS](#)

Q.4) With reference to “Census of Water Bodies” consider the following statements:

1. As per the census, the east and the northeast states use most of the water bodies for fish farming.
2. As per the census, around 97.1% of water bodies can be found in urban 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. As per the census, the east and the northeast states use most of the water bodies for fish farming.

Statement 2 is incorrect. As per the census, around 97.1% of water bodies can be found in rural regions; only 2.9% are situated in urban areas.

Source: [ForumIAS](#)

Q.5) Consider the following statements:

1. The medical devices sector in India are a sunset sector.
2. National Medical Devices Policy, 2023 aims to accelerate the growth path of the medical devices sector with a patient-centric approach.

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 medical devices sector in India is a sunrise sector which is growing at a fast pace.

Statement 2 is correct. National Medical Devices Policy, 2023 aims to accelerate the growth path of the medical devices sector with a patient-centric approach.

Source: [ForumIAS](#)

Q.6) With reference to “Big Catch-up Initiative” consider the following statements:

1. The initiative aims at monitoring global population of the Endangered species.
2. India is one of the countries associated with the initiative.

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. Big Catch-up Initiative is a targeted global effort to boost vaccination among children following declines driven by the COVID-19 pandemic.

Statement 2 is correct. The initiative will pay special attention to the 20 countries which are home to a majority of the children who have missed their vaccine doses. India is one of those 20 countries.

Source: [ForumIAS](#)

Q.7) In the economic context, Dutch Disease refers to –

- a) the total amount of money in an economy is the primary determinant of economic growth.
- b) the pessimistic outlook on a stock market's performance, often when prices face a prolonged decline.
- c) a series of stages in an economy as it expands and contracts.
- d) a phenomenon wherein a country witnesses uneven growth across sectors due to the discovery of natural resources.

Answer: D

Explanation – Dutch Disease in economics refers to a phenomenon wherein a country witnesses uneven growth across sectors due to the discovery of natural resources.

Source: [ForumIAS](#)

Q.8) With reference to National Health Accounts Report 2019-20, consider the following statements:

1. As per the report, the government health expenditure has declined for the given period.
2. The average out-of-pocket expenditure (OOPE) on health has fallen down for the period 2019-20.
3. Private health insurance has grown in this period.

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 National Health Accounts report 2019-20, government health expenditure rose from 29 to 41% of total healthcare expenditure.

Statement 2 and 3 are correct. The average out-of-pocket expenditure (OOPE) on health has fallen down from a high of 62.6% in 2014-15, OOPE fell to 47% in 2019-20. Private health insurance appears to have grown in this period, from 3.7 to 7%.

Source: [ForumIAS](#)

Q.9) Consider the following statements:

1. The Poonch river originates in the Zaskar range.
2. Poonch has a humid subtropical climate much cooler than what is found in much of the rest of 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 Poonch river originates in the Pir Panjal range and flows west until the town of Poonch, after which it turns southwest.

Statement 2 is correct. Poonch has a humid subtropical climate much cooler than what is found in much of the rest of India, due to its moderately high elevation and northerly position.

Source: [ForumIAS](#)

10 PM Compilation for the Month of April, (Fourth Week) 2023

Q.10) Consider the following statements:

1. The idea of Constitution for India was initially proposed by M.N. Roy.
2. The principle of fraternity gives unity and solidarity to social life.
3. The idea of the Indian Constitution was officially adopted in the Lucknow session of the Indian National Congress in 1936.

Which of the statements given above are correct?

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

Answer: D

Explanation –

Statement 1, 2 and 3 are correct. The idea of Constitution for India was initially proposed by M.N. Roy. The principle of fraternity gives unity and solidarity to social life. The idea of the Indian Constitution was officially adopted in the Lucknow session of the Indian National Congress in 1936.

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