

10 PM Current Affairs Quiz Compilation

12th to 17th December, 2022

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

PRELIMS

Q.1) Multiple Ovulation Embryo Transfer (MOET) was seen in the news recently, is associated with –

- a) Cattle breeding
- b) Cultured meat
- c) Producing organic fertilisers
- d) Growing artificial eggs in labs

Answer: A

Explanation – MOET is the most common procedure used in advanced cattle breeding.

Source: [The Hindu](#)

Q.2) Consider the following statements:

- 1. Namami Gange Programme aimed at controlling pollution, conservation and rejuvenation of River Ganga.
- 2. Arth Ganga aims at increasing the river basin of the river Ganga.

Which of the statements given above is/are correct?

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

Answer: A

Explanation –

Statement 1 is correct. Namami Gange Programme aimed at controlling pollution, conservation and rejuvenation of River Ganga.

Statement 2 is incorrect. Arth Ganga focuses on sustainable development model with a focus on economic activities related to Ganga. It includes – chemical-free farming, promotion of cow dung as fertilizer through the Gobardhan scheme, Monetization and Reuse of Sludge & Wastewater, Livelihood Generation Opportunities, etc.

Source: [The Hindu](#)

Q.3) Meetei Mayek language is associated with –

- a) Nagaland
- b) Maharashtra
- c) Manipur
- d) Andaman and Nicobar Islands

Answer: C

Explanation – Meetei Mayek language is the official language of Manipur state of India. Meetei Mayek has seen a revival in the 21st century, with an initial shift to the Manipuri script in educational institutions and an amendment to the Manipur Official Language Act last year.

Source: [The Hindu](#)

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Q.4) With reference to Grey-bellied wren babbler bird consider the following statements:

1. It is mostly found in Myanmar.
2. Its natural habitat is subtropical moist montane forest.
3. It is classified as a Species of Least Concern by the IUCN.

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. Grey-bellied wren babbler is mostly found in Myanmar. It is also found in Arunachal Pradesh, China and Thailand. Its natural habitat is subtropical moist montane forest. It is classified as a Species of Least Concern by the IUCN.

Source: [The Hindu](#)

Q.5) With reference to the Climate Justice consider the following statements:

1. Natural Climate Solutions is one of the pillars of climate justice.
2. Distributive Climate Justice means ability of current generations to meet their needs without compromising the ability of future generations to meet their own needs.

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. There are six pillars of climate justice – a) Just Transition, b) Social Racial and Environmental Justice, c) Indigenous Climate Action, d) Community Resilience and Adaptation, e) Natural Climate Solutions, f) Climate Education and Engagement.

Statement 2 is incorrect. Distributive Climate Justice is the aspect of justice which deals with how costs and benefits of climate change are shared. There are three main aspects of distribution: Identifying the goods that are being distributed, identifying the entities between which they are to be distributed and identifying the most appropriate mode of distribution.

Source: [ForumIAS](#)

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Q.6) Consider the following statements:

1. Protection of wild animals and birds is a subject under Union List of the Constitution.
2. Wildlife Protection Bill, 2022 permits a person having a valid certificate of ownership to transfer or transport a captive elephant for a religious or any other purpose.

Which of the statements given above is/are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. Protection of wild animals and birds is a subject under Concurrent List of the Constitution.

Statement 2 is correct. Wildlife Protection Bill, 2022 permits a person having a valid certificate of ownership to transfer or transport a captive elephant for a religious or any other purpose.

Source: [ForumIAS](#)

Q.7) Consider the following statements:

1. Tax avoidance is an act of using legal methods to minimize tax liability whereas Tax evasion is an illegal way to minimize tax liability.
2. Tax evasion is taking advantage of the shortcomings in the tax laws whereas Tax avoidance is deliberate manipulation in accounts.

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. Tax avoidance is an act of using legal methods to minimize tax liability whereas Tax evasion is an illegal way to minimize tax liability.

Statement 2 is incorrect. Tax avoidance is taking advantage of the shortcomings in the tax laws whereas Tax evasion is deliberate manipulation in accounts.

Source: [The Hindu](#)

Q.8) With reference to the Kanha Tige Reserve, consider the following statements:

1. It is located on the banks of the Banjar River.
2. It is the largest national park in central 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: C

Explanation –

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Statement 1 and 2 are correct. Kanha Tige Reserve is located on the banks of the Banjar River. It is the largest national park in central India.

Source: [The Indian Express](#)

Q.9) With reference to Forest Rights Act, 2006 consider the following statements:

1. The act tries to recognize rights of marginal and tribal communities over forest lands over which they were traditionally dependent.
2. The authority to initiate the process of determining the nature and extent of the Forest Rights lies with the Parliament.

Which of the statements given above is/are correct?

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

Answer: A

Explanation –

Statement 1 is correct. Forest Rights Act, 2006 tries to recognize rights of marginal and tribal communities over forest lands over which they were traditionally dependent.

Statement 2 is incorrect. The authority to initiate the process of determining the nature and extent of the Forest Rights lies with the Gram Sabha.

Source: [The Indian Express](#)

Q.10) Consider the following statements:

1. The UN Biodiversity Conference is the regular meeting of the countries who have signed the Convention on Biological Diversity (CBD).
2. Convention on Biological Diversity (CBD) was adopted at the Rio Earth Summit in 1992.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Statement 1 and 2 are correct. The UN Biodiversity Conference is the regular meeting of the countries who have signed the Convention on Biological Diversity (CBD). CBD was adopted at the Rio Earth Summit in 1992.

Source: [The Indian Express](#)

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PRELIMS

Q.1) With reference to the Private Member Bill consider the following statements:

1. A private member's bill is only introduced and discussed on Fridays.
2. A private member's bill can only be introduced in the Lok Sabha.
3. One month's prior notice is required before the introduction of the Bill.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statement 1 and 3 are correct. A private member's bill is only introduced and discussed on Fridays. One month's prior notice is required before the introduction of the Bill.

Statement 2 is incorrect. A private member bill can be introduced in either of the House of the Parliament.

Source: [The Indian Express](#)

Q.2) Which of the following countries has recently launched the lunar lander Hakuto-R?

- a) Russia
- b) Japan
- c) Indonesia
- d) North Korea

Answer: B

Explanation – Hakuto-R is first-ever lunar mission and the first of its kind by a private company in Japan. Ispace has developed the lunar lander Hakuto-R.

Source: [Economic Times](#)

Q.3) Consider the following statements:

1. Coastal Erosion refers to the long-term removal of sediment and rocks along the coastline due the action of sea-waves, currents, tides and other impacts of storms.
2. Kerala is the worst affected State by coastal erosion in India.
3. The reason behind coastal erosion is only natural and not anthropogenic.

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. Coastal Erosion refers to the long-term removal of sediment and rocks along the coastline due the action of sea-waves, currents, tides and other impacts of storms. Kerala is the worst affected State by coastal erosion in India.

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Statement 3 is incorrect. Both natural and anthropogenic causes are responsible for coastal erosion.

Source: [ForumIAS](#)

Q.4) With reference to 'end-to-end encryption' consider the following statements:

1. It is a process which enables location on electronic devices to secure it from unidentified users.
2. The process of end-to-end encryption uses an algorithm that transforms standard text into an unreadable format.

Which of the statements given above is/are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. End-to-end encryption is a communication process that encrypts data being shared between two devices. It prevents third parties like cloud service providers, internet service providers (ISPs) and cybercriminals from accessing data while it is being transferred. Statement 2 is correct. The process of end-to-end encryption uses an algorithm that transforms standard text into an unreadable format.

Source: [ForumIAS](#)

Q.5) With reference to Monosodium Glutamate (Ajinomoto) consider the following statements:

1. It is used as a taste enhancer in food.
2. It is found naturally in some foods including tomatoes and cheese.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statement 1 and 2 are correct. Monosodium Glutamate is used as a taste enhancer in food. It is found naturally in some foods including tomatoes and cheese.

Source: [ForumIAS](#)

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Q.6) Consider the following statements:

1. India is one of the biggest manufacturers of pharmaceuticals worldwide.
2. Pharmaceutical pollution is lowest in India compared to other parts of the world.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. India is one of the biggest manufacturers of pharmaceuticals worldwide. It has been estimated that India is the world's third-largest producer of pharmaceuticals.

Statement 2 is incorrect. India is the third largest producer of pharmaceuticals. Therefore, it is obvious being the third largest producer, pollution would also be more in India. Pharmaceutical production has been considered one of the most polluting industries in various parts of India.

Source: [ForumIAS](#)

Q.7) With reference to flash floods consider the following statements:

1. It occurs when heavy rainfall exceeds the ability of the ground to absorb it.
2. Dam or Levee breaks can cause the flash floods.
3. Densely populated areas have the lowest risk of flash floods.

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. flash floods occurs when heavy rainfall exceeds the ability of the ground to absorb it. Dam or Levee breaks can cause the flash floods.

Statement 3 is incorrect. Densely populated areas are at a high risk for flash floods. The construction of buildings, highways, driveways, and parking lots increases runoff by reducing the amount of rain absorbed by the ground. This runoff increases the flash flood potential.

Source: [The Hindu](#)

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Q.8) Consider the following:

1. Land
2. Labour
3. Capital
4. Entrepreneurship

Which of the above are the factors of production?

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

Answer: D

Explanation – The factors of production are land, labour, capital, time, and entrepreneurship. Some heterodox economists, however, consider land, labour, and time to be the three primary factors of production. They believe capital and entrepreneurship to be secondary factors of production.

Source: [The Hindu](#)

Q.9) Consider the following statements with reference to Goods and Services Tax (GST):

1. GST has been successful in facilitating the free movement of goods in the country.
2. GST harms producer states and rewards consumer states in terms of revenues.
3. GST has given more autonomy to the states in term of taxation and has reduced their dependence on 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

Explanation –

Statement 1 and 2 are correct. GST has been successful in facilitating the free movement of goods in the country. Earlier, taxes varied from state to state, city to city and even local bodies. GST harms producer states and rewards consumer states in terms of revenues. States like Tamil Nadu, which have invested highly in their manufacturing ecosystem, are facing new problems.

Statement 3 is incorrect: State governments have lost most of their independent taxation powers and has become more dependent on the Centre for revenues due to GST.

Source: [The Indian Express](#)

Q.10) Mudumalai Tiger Reserve is located in –

- a) Kerala
- b) Tamil Nadu
- c) Odisha
- d) Andhra Pradesh

Answer: B

Explanation – Mudumalai Tiger Reserve is a national park in the Nilgiri Mountains in Tamil Nadu, South India.

Source: [The Hindu](#)

PRELIMS

Q.1) With reference to the Great Indian Bustard (GIB) consider the following statements:

1. It is among the heaviest of the flying birds.
2. Their habitat has been encroached by solar power projects.
3. It has been identified as one of the species for the recovery programme under the Integrated Development of Wildlife Habitats.

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. GIB is among the heaviest of the flying birds. Their habitat has been encroached upon by solar power projects. It has been identified as one of the species for the recovery programme under the Integrated Development of Wildlife Habitats of the Ministry of Environment and Forests.

Source: [The Hindu](#)

Q.2) With reference to the Protection of Children from Sexual Offences Act (POCSO Act) consider the following statements:

1. The Act defines child as any person below the age of twenty.
2. The law provides for relief and rehabilitation as soon as the complaint is made.
3. The Act provides for the establishment of Special Courts for the trial of offences under the Act.

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 Act defines child as any person below the age of eighteen.

Statement 2 and 3 are correct. The law provides for relief and rehabilitation as soon as the complaint is made. The Act provides for the establishment of Special Courts for the trial of offences under the Act.

Source: [ForumIAS](#)

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Q.3) Consider the following statements:

1. Female perform significantly better than men in implementing policies that promote the interests of women.
2. The representation of females in state and central governments is higher than males.

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. Female perform significantly better than men in implementing policies that promote the interests of women.

Statement 2 is incorrect. The representation of females in state and central governments is lower than males.

Source: [ForumIAS](#)

Q.4) Consider the following:

1. Improve banking access
2. Encouraging new climate technologies
3. Improvement in Ayushman Bharat scheme

Which of the above measures are required to improve climate finance in India?

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

Answer: A

Explanation – Measures needed to improve climate finance in India are – Focus on sustainability, improving banking access, Encouraging new climate technologies, etc.

Source: [ForumIAS](#)

Q.5) Consider the following statements:

1. India will see a rise in the number of workers in the coming years.
2. The labour force participation ratios (LFPR) in the Asian economies are expected to decline in the future.

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. According to a study, the impact of Asia's ageing on the global supply of workers and savings, India will see a rise in the number of workers in the coming years.

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The number of workers can grow by 0.9 to 1.6% annually in India. The labour force participation ratios (LFPR) in the Asian economies are expected to decline in the future.

Source: [ForumIAS](#)

Q.6) With reference to the Pradhan Mantri Adi Adarsh Gram Yojna (PMAAGY) consider the following statements:

1. Its aim is to mitigate gaps and provide basic infrastructure in villages with the significant tribal populations.
2. It has launched by the Ministry of Panchayati Raj.
3. The objective of this scheme is to achieve integrated socio-economic development of selected villages through a convergence approach.

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. PMAAGY's aim is to mitigate gaps and provide basic infrastructure in villages with the significant tribal populations. The objective of this scheme is to achieve integrated socio-economic development of selected villages through a convergence approach.

Statement 2 is incorrect. It has been launched by the Ministry of Tribal Affairs.

Source: [ForumIAS](#)

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

1. It is being run by Department of Social Justice and Empowerment.
2. This scheme provides basic amenities like shelter, food, medical care, free of cost to the needy senior citizens.

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. AVYAY is being run by Department of Social Justice and Empowerment. This scheme provides basic amenities like shelter, food, medical care, free of cost to the needy senior citizens.

Source: [PIB](#)

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Q.8) Consider the following statements:

1. Meteors are fragments of stars.
2. The Geminids meteor showers are unique because they do not originate from a comet but from an asteroid.

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. Meteors are usually fragments of comets. As they enter the Earth's atmosphere at high speed, they burn up, creating a spectacular "shower".

Statement 2 is correct. The Geminids are unique because unlike most meteor showers, they originate not from a comet, but from an asteroid.

Source: [The Indian Express](#)

Q.9) With reference to Cooperative Societies consider the following statements:

1. Multi-State Cooperative Societies come under the Union Government whereas the State Cooperative Societies are under the State Governments.
2. All members in a Cooperative Society have equal rights in handling the internal affairs.
3. The surplus generated by these societies is dispensed equally among the members.

Which of the statements given above are correct?

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

Answer: D

Explanation –

Statement 1, 2 and 3 are correct. Multi-State Cooperative Societies come under the Union Government whereas the State Cooperative Societies are under the State Governments. All members in a Cooperative Society have equal rights in handling the internal affairs. The surplus generated by these societies is dispensed equally among the members.

Source: [ForumIAS](#)

Q.10) "Base Editing" was seen in the news recently, is associated with –

- a) Sustainable agriculture practices
- b) Climate finance
- c) Socio-economic justice
- d) Genome editing

Answer: D

Explanation – Base Editing allows scientists to zoom to a precise part of the genetic code and then alter the molecular structure of just one base, converting it into another and changing the genetic instructions.

Source: [The Indian Express](#)

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PRELIMS

Q.1) With reference to the Foraminifera (forams) consider the following statements:

1. They are multi-cellular organisms.
2. Their shells can be used to study the characteristics of oceans.
3. They are found in all marine environments.

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. They are single-celled organisms.

Statement 2 and 3 are correct. Their shells can be used to study the characteristics of oceans. They are found in all marine environments from the intertidal to the deepest ocean trenches, and from the tropics to the poles.

Source: [DTE](#)

Q.2) Consider the following statements:

1. 100% ration cards data have been digitized under NFSA in all States/UTs.
2. electronic Point of Sale (ePoS) devices are being used by most of the Fair Price Shops in India.
3. Government has fixed target of 20% blending of fuel grade ethanol with petrol by 2025.

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. 100% ration cards data have been digitized under NFSA in all States/UTs. electronic Point of Sale (ePoS) devices are being used by most of the Fair Price Shops in India. Government has fixed target of 20% blending of fuel grade ethanol with petrol by 2025.

Source: [ForumIAS](#)

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Q.3) Consider the following statements:

1. NavIC is a GPS system developed by NASA which is being used all over the globe.
2. L1 frequency is one of the most commonly used frequencies in the Global Positioning System (GPS).

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. NavIC, or Navigation with Indian Constellation is an independent stand-alone navigation satellite system developed by the Indian Space Research Organization (ISRO). Currently, NavIC's use is limited.

Statement 2 is correct. L1 frequency is one of the most commonly used frequencies in the Global Positioning System (GPS).

Source: [ForumIAS](#)

Q.4) With reference to the Uru Boats consider the following statements:

1. They are purely made of premium wood without using any modern techniques.
2. They are a symbol of Kerala's trade relations and friendship with the Gulf countries.
3. It has received a Geographical Indication (GI) status.

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. Uru Boat is purely made of premium wood without using any modern techniques. They are a symbol of Kerala's trade relations and friendship with the Gulf countries.

Statement 3 is incorrect. The District Tourism Promotion Council, Kozhikode has applied for a Geographical Indication (GI) tag for Beypore Uru (boat). It has not yet received.

Source: [The Hindu](#)

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Q.5) Consider the following statements:

1. China is India's second biggest trading partner after the United States.
2. India had a trade surplus with the US whereas it had a trade deficit with China in the last fiscal year.
3. India's trade deficit with China has declined in the past years.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statement 1 and 2 are correct. China is India's second biggest trading partner after the United States. India had a trade surplus with the US whereas it had a trade deficit with China in the last fiscal year.

Statement 3 is incorrect. India's trade deficit with China has increased from \$1 billion to \$73 billion in the past 21 years.

Source: [The Indian Express](#)

Q.6) KAZIND-22, is a joint military exercise is being conducted between –

- a) India and Bangladesh
- b) India and Kazakhstan
- c) India and Germany
- d) India and Brazil

Answer: B

Explanation – The 6th Edition of Indo - Kazakhstan joint training exercise "KAZIND-22" is scheduled to be conducted at Umroi (Meghalaya) from 15 to 28 December 2022.

Source: [PIB](#)

Q.7) Consider the following statements:

1. RBI will issue the digital rupee but banks will distribute it to the private sector like fiat currency.
2. The use of cash as a mode of payment has grown in India the past years but the use of cheques and demand drafts has dropped.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statement 1 and 2 are correct. RBI will issue the digital rupee but banks will distribute it to the private sector like fiat currency. A recent research paper by economists at the International Monetary Fund shows that a) The use of cash as a mode of payment has actually grown in India

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between 2005 and 2020, b) The use of instant payment options such as NEFT and IMPS has increased, c) The use of cheques and demand drafts has dropped sharply.

Source: [ForumIAS](#)

Q.8) Consider the following statements:

1. Nuclear fusion involves fusion of nuclei of two lighter elements to form the nucleus of a heavier atom.
2. Fusion reactions happen only at very high temperatures.
3. Nuclear fusion generates very less energy compared to nuclear fission.

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. Nuclear fusion involves fusion of nuclei of two lighter elements together to form the nucleus of a heavier atom. Fusion reactions happen only at very high temperatures, 10 times the temperature that exists at the core of the Sun.

Statement 3 is incorrect. Nuclear fusion is considered as holy grail of energy production. It is called such because the fusion of pairs of light atoms produces immense energy with very small amounts of radioactive waste, unlike nuclear fission.

Source: [ForumIAS](#)

Q.9) With reference to the “Scheme for Development of Solar Parks and Ultra Mega Solar Power Projects” scheme consider the following statements:

1. The feature of the scheme is to support states/UTs in setting up solar parks at various location in the country.
2. The scheme has been launched by Ministry for New and Renewable Energy.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statement 1 and 2 are correct. The feature of the scheme is to support states/UTs in setting up solar parks at various location in the country. The scheme has been launched by Ministry for New and Renewable Energy.

Source: [ForumIAS](#)

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Q.10) With reference to the International Thermonuclear Experimental Reactor (ITER) seen in the news recently consider the following statements:

1. It aims at creating energy by replicating the fusion processes of the Sun.
2. It uses high-energy laser beams for the fusion process.
3. India is a member to ITER.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statement 1 and 3 are correct. ITER aims at creating energy by replicating the fusion processes of the Sun. It is an international collaborative project located in southern France. India joined the ITER project in 2005.

Statement 2 is incorrect. It uses very strong magnetic fields instead of high-energy laser beams.

Source: [ForumIAS](#)

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PRELIMS

Q.1) Which of the following defines the term “Aeronomy”?

- It is the scientific study of the upper atmospheric regions of the Earth and other solar system bodies.
- It refers to the study of the deep oceans and its creatures.
- It studies the materials, processes, products, physical nature, and history of the Earth.
- It is the study of everything in the universe beyond Earth's atmosphere.

Answer: A

Explanation – Aeronomy refers to the scientific study of the upper atmospheric regions of the Earth and other solar system bodies. It covers the chemistry, dynamics and energy balance of both neutral and charged particles.

Source: [PIB](#)

Q.2) Consider the following statements:

- Aorta is the main artery that carries oxygenated blood from the heart to the rest of the body and it is also the body's largest blood vessel.
- A thoracic aortic aneurysm refers to a weakened area in the aorta in the chest.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Statement 1 and 2 are correct. The aorta is the main artery that carries oxygenated blood from the heart to the rest of the body and it is also the body's largest blood vessel. A thoracic aortic aneurysm refers to a weakened area in the aorta in the chest.

Source: [The Indian Express](#)

Q.3) With reference to Pradhan Mantri Virsat Ka Samvardhan (PM VIKAS) Scheme consider the following statements:

- It aims at overall development of rural farmer families with focus on early child education.
- The scheme is being implemented by the Ministry of Minority Affairs.

Which of the statements given above is/are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. PM VIKAS aims to improve livelihoods of the minorities, particularly the artisan communities, using the components of skill development, education, women leadership & entrepreneurship.

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Statement 2 is correct. The scheme is being implemented by the Ministry of Minority Affairs.

Source: [PIB](#)

Q.4) Consider the following statements with reference to the “Recusal of Judges”:

1. It is the removal of oneself as a judge in a particular matter.
2. The frequency of recusal pleas is growing in India.
3. It is mandatory for the judge to provide reason for the recusal to the petitioner.

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. Recusal is the removal of oneself as a judge or policymaker in a particular matter. The frequency of recusal pleas is also growing recently. For instance, rarely a month passes without a judge recusing in Bombay HC.

Statement 3 is incorrect. A judge has the right to recuse him/herself. As is the custom, the judge did not need to explain her recusal to the petitioner.

Source: [ForumIAS](#)

Q.5) With reference to Unakoti consider the following statements:

1. It is located in Arunachal Pradesh.
2. It is a Saivite pilgrimage site with gigantic rock cut sculptures.
3. It is called Subrai Khung.

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. Unakoti is located in Tripura.

Statement 2 and 3 are incorrect. Unakoti is a Saivite pilgrimage site with gigantic rock cut sculptures. It is called Subrai Khung.

Source: [ForumIAS](#)

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Q.6) With reference to Pradhanmantri Sangrahalaya consider the following statements:

1. It keeps the history of the war fought between the freedom fighters and the British along with the details of martyrs of the war.
2. People can witness the memorable speeches given by the past Prime Ministers at the Red Fort.

Which of the statements given above is/are correct?

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

Answer: B

Explanation –

Statement 1 is incorrect. The Pradhanmantri Sangrahalaya is a tribute to every Prime Minister of India since Independence and a narrative record of how each one has contributed to the development of our nation over the last 75 years.

Statement 2 is correct. People can witness the memorable speeches given by the Prime Ministers at the Red Fort.

Source: [ForumIAS](#)

Q.7) Consider the following statements:

1. Sub-ordinate courts have the highest number of pending cases.
2. Undertrials have the right to consult and be defended by a legal practitioner of their choice.
3. Article 21 proves that no person shall be deprived of his life or personal liberty except according to procedure established by law.

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. Sub-ordinate courts have the highest number of pending cases. Undertrials have the right to consult and be defended by a legal practitioner of their choice. Article 21 proves that no person shall be deprived of his life or personal liberty except according to procedure established by law.

Source: [ForumIAS](#)

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Q.8) Consider the following statements:

1. Yields fall when the price of bond increases.
2. Yields fall when inflation rises.
3. Rising bond yields in India may increase the rate of borrowing for the government and the citizens.

Which of the statements given above are correct?

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

Answer: C

Statement 1 and 3 are correct. As bond prices rise, yield on it declines, and vice versa. Rising bond yields in India may increase the rate of borrowing for the government and the citizens.

Statement 2 is incorrect. A rising inflation pushes bond prices lower, thereby pushing yields higher.

Source: [ToI](#)

Q.9) With reference to the National Mission for Clean Ganga (NMCG) consider the following statements:

1. It is registered under the Societies Registration Act 1860.
2. It has five tier structure at national, state and district level to take measures for prevention, control and abatement of environmental pollution in river Ganga.

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. NMCG registered under the Societies Registration Act 1860. It has five tier structure at national, state and district level to take measures for prevention, control and abatement of environmental pollution in river Ganga.

Source: [PIB](#)

Q.10) Which of the following is not correct regarding the National Gallery of Modern Art?

- a) It is an art gallery under the Ministry of Culture.
- b) It was established by the Prime Minister Indira Gandhi
- c) Its headquarter is located in New Delhi.
- d) It showcases the art forms starting from 1857 in the field of visual and plastic arts.

Answer: B

Explanation – It was established in 1954 by then vice-president Dr S Radhakrishnan in the presence of Prime Minister Jawaharlal Nehru.

Source: [ForumIAS](#)

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Q.1) Consider the following statements:

1. Network neutrality refers to the unethical practices followed by the social media in acquiring and prioritizing the advertisement.
2. India is one of the largest consumers of wireless internet in the world.
3. The Digital Markets Act adopted by the European Union aims to keep digital markets innovative and open to competition through ex-ante regulation.

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. Network neutrality ensures that all data on the internet is treated equally by Internet Service Providers (ISPs) and governments, regardless of content, user, platform, application, or device.

Statement 2 and 3 are correct. India is one of the largest consumers of wireless internet with over 800 million users. The Digital Markets Act adopted by the European Union aims to keep digital markets innovative and open to competition through ex-ante regulation.

Source: [The Indian Express](#)

Q.2) With reference to the Current Account Deficit (CAD) consider the following statements:

1. Current Account Deficit implies the country is exporting more goods and services in value than the imports.
2. A country having large current account deficit is always at risk of seeing the value of the currency fall.
3. A trade deficit is normally the largest component of a current account deficit.

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. Current Account Deficit implies the country is importing more goods and services in value than the exports.

Statement 2 and 3 are correct. A country having large current account deficit is always at risk of seeing the value of the currency fall. A trade deficit is normally the largest component of a current account deficit.

Source: [The Indian Express](#)

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Q.3) Consider the following statements:

1. High Courts have the power to structure their calendars according to the service rules.
2. There is no such mechanism or bench to hear cases when the court goes in recess.

Select the correct statement using the codes given below:

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

Answer: A

Explanation –

Statement 1 is correct. High Courts have the power to structure their calendars according to the service rules.

Statement 2 is incorrect. There are vacation benches available to hear important cases like bail, eviction, etc. when the court goes in recess.

Source: [The Indian Express](#)

Q.4) With reference to the Model Poisons Possession and Sale Rules, 2013 consider the following statements:

1. This rule prohibits the over-the-counter sale of acid unless the seller maintains a register recording the sale of acid.
2. This rule states that sale of acid is to be made only when the buyer produces a photo ID containing his address issued by the government.
3. This rule provides for the sellers to declare only half of the stocks of acid with the concerned Sub-Divisional Magistrate (SDM) within 15 days and in case of undeclared stock of acid.

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. This rule prohibits the over-the-counter sale of acid unless the seller maintains a register recording the sale of acid. This rule states that sale of acid is to be made only when the buyer produces a photo ID containing his address issued by the government.

Statement 3 is incorrect. Sellers are also required to declare all stocks of acid with the concerned Sub-Divisional Magistrate (SDM) within 15 days and in case of undeclared stock of acid.

Source: [The Indian Express](#)

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Q.5) With reference to the Kolleru lake consider the following statements:

1. It is the largest freshwater lake of India and the largest shallow freshwater lake in Asia.
2. It is located between the deltas of Krishna and Godavari rivers.
3. It is located in Kerala.

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. Kolleru lake is the largest freshwater lake of India and the largest shallow freshwater lake in Asia. It is located between the deltas of Krishna and Godavari rivers. The lake was notified as a wildlife sanctuary in November 1999 under India's Wild Life (Protection) Act, 1972, and designated a wetland of international importance in November 2002 under the international Ramsar Convention.

Statement 3 is incorrect. It is located in Andhra Pradesh.

Source: [The Hindu](#)

Q.6) Which of the following is not correct regarding cotton?

- a) It is a kharif crop.
- b) It requires temperature between 21 – 30 degrees Celsius to grow.
- c) It requires high rainfall around 150 – 200 cm for its growth.
- d) China is the largest cotton producing country in the world.

Answer: C

Explanation – It requires moderate rainfall between 50 – 100cm for its growth.

Source: [The Hindu](#)

Q.7) With reference to the farm subsidies consider the following statements:

1. A direct subsidy is provided to the farmer by discounts on agricultural purchases like seeds and fertilizers whereas Indirect subsidy is provided in the form of cash.
2. Farm subsidies help in the improvement of nation's Human Development Index (HDI).
3. High amount of farm subsidies put excessive burden on Government finances by reducing space for capital expenditure.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statement 1 is incorrect. A direct subsidy is provided to the farmer in the form of cash. Indirect subsidy is provided by discounts on agricultural purchases like seeds and fertilizers.

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Statement 2 and 3 are correct. Improved farm incomes and food security aids in addressing issues like malnutrition, improving overall living standard leading to the improvement of a nation's HDI. High amount of farm subsidies put excessive burden on Government finances by reducing space for capital expenditure.

Source: [ForumIAS](#)

Q.8) With reference to the Future Skills Programme consider the following statements:

1. It aims to reskill professionals, employees and students in emerging technologies like artificial intelligence over a period of five years.
2. Future PRIME is the next phase of the Future Skills platform which is open to professionals from outside the IT industry who want to skill themselves in emerging technologies.

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. Future Skills Programme aims to reskill 2 million professionals and potential employees & students in the industry in eight emerging technologies over a period of 5 years. The emerging technologies include artificial intelligence, virtual reality, etc. Future PRIME is the next phase of the Future Skills platform which is open to professionals from outside the IT industry who want to skill themselves in emerging technologies.

Source: [ForumIAS](#)

Q.9) “Hattee community” was seen in the news recently. This community is found in –

- a) Karnataka
- b) Himachal Pradesh
- c) Jharkhand
- d) Odisha

Answer: B

Explanation – Hattee community is found in the Trans-Giri region of Sirmaur district in Himachal Pradesh. This community is recently included in the Scheduled Tribes list.

Source: [The Hindu](#)

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Q.10) Consider the following statements:

1. India has witnessed an increase in the Foreign Direct Investment (FDI) in the telecommunication sector.
2. India's rank has declined in Network Readiness Index 2022.
3. Telecom Technology Development Fund (TTDF) Scheme aims to fund R&D in rural-specific communication technology applications.

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 has witnessed an increase in the Foreign Direct Investment (FDI) in the telecommunication sector. Telecom Technology Development Fund (TTDF) Scheme aims to fund R&D in rural-specific communication technology applications and form synergies among academia, start-ups, research institutes, and the industry to build and develop the telecom ecosystem.

Statement 2 is incorrect. India's rank has improved in Network Readiness Index 2022. India jumped 6 ranks, from 67 in 2021 to 61 in 2022 in the NRI-2022. NRI score for India also improved from 49.74 in 2021 to 51.19 in 2022.

Source: [PIB](#)