

10 PM Current Affairs Quiz Compilation

12th to 17th June, 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:

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

Which of the statements given above is/are correct?

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

Ans) b

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

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

Business Standard

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

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

Ans) a

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

Indian Express

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

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

Answer using the codes given below:

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

Ans) c

Statement 1 is correct. The **Legislature of a State** comprises the Governor and the Legislative Assembly (if the State has one House) and a Legislative Council (if the State has two Houses). Statement 2 is correct. The Governor has limited autonomy in his functioning and can act only on the "advice" of his Council of Ministers, with the Chief Minister as the head of the Council. However, there are certain instances where a Governor can exercise his discretion independent of the Council of Ministers, as per Article 163(2) of the Constitution. This decision cannot be challenged.

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

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

How many of the statements given above are correct?

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

Ans) a

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

[The Hindu](#)

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

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

Ans) b

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

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

[Link](#)

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

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

Which of the statements given above is/are correct?

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

Answer: B

Statement 1 is incorrect: A cyclone is a low-pressure system that forms over warm waters. Usually, a high temperature anywhere means the existence of low-pressure air, and a low temperature means high-pressure wind. In fact, this is one of the main reasons why India sees a greater number of cyclones in the Bay of Bengal compared to the Arabian Sea.

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

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

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

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

Answer: B

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

Source: [Indian Express](#)

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

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

Select the correct answer from the codes given below;

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

Answer: D

Source: [The Hindu](#)

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

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

Which of the statements given above is/are correct?

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

Answer: A

Statement 1 is correct: It was written between the 5th -6th centuries CE, which is the oldest surviving manuscript collection in India. It was written on the birch bark folios documents written on pieces of inner layer of the bark of birch trees were found in Kashmir region.

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

Source: [PIB](#)

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

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

Answer: C

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

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

Source: [The New Indian Express](#)

PRELIMS

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

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

Select the correct answer using the codes given below

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

Ans) a

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

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

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

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

Select the correct answer using the code given below:

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

Ans) d

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

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

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

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

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

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

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

Select the correct answer using the codes given below

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

Ans) a

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

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

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

Ans) c

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

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

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

Q.5) Consider the following statements

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

Select the correct answer using the codes given below

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

Ans) c

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

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

Source: [Business Standard](#)

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

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

Select the correct answer from the codes given below;

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

Answer: a

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

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

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

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

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

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

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

Answer: B

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

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

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

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

Which of the statements given above is/are correct?

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

Answer: C

Statement 1 is correct: It is defined as the assembly of methods and instruments that enable a direct connection of technical components with the nervous system.

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

Source: [DTE](#)

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

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

How many of the above statements is/are correct?

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

Answer: B

Statements 2 and 4 are wrong.

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

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

Source: [DST](#)

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

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

Answer: B

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

Major findings in Kodumanal:

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

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

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

Source: [The Hindu](#)

PRELIMS

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

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

Which of the statements given above are correct?

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

Answer: B

Explanation –

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

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

Source: [ForumIAS](#)

Q.2) Consider the following statements:

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

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

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

Source: [ForumIAS](#)

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

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

Which of the statements given above is/are correct?

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

Answer: B

Explanation-

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

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

Source: [ForumIAS](#)

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

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

Select the correct answer from the code given below:

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

Answer: A

Explanation –

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

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

Source: [ForumIAS](#)

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

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

Which of the statements given above are correct?

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

Answer: A

Explanation –

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

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

Source: [ForumIAS](#)

Q.6) Consider the following statements:

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

Which of the statements given above are correct?

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

Answer: B

Explanation –

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

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

Source: [ForumIAS](#)

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

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

How many of the above statements are correct?

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

Answer: B

Explanation –

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

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

Source: [ForumIAS](#)

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Q.8) Consider the following statements:

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

Select the correct statements using the codes given below;

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

Answer: A

Explanation –

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

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

Source: [ForumIAS](#)

Q.9) Consider the following statements:

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

Which of the statements given above are correct?

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

Answer: A

Explanations –

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

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

Source: [ForumIAS](#)

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Q.10) Consider the following statements:

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

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

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

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

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

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PRELIMS

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

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

Which of the statements given above are correct?

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

Answer: B

Explanation –

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

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

Source: [ForumIAS](#)

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

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

Select the correct answer from the codes given below:

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

Answer: B

Explanation-

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

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

Source: [ForumIAS](#)

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

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

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

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

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

Source: [ForumIAS](#)

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

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

How many of the above statements are correct?

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

Answer: B

Explanation –

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

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

Source: [ForumIAS](#)

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

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

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Answer: C

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

Source: [ForumIAS](#)

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

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

Answer: D

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

Source: [ForumIAS](#)

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

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

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

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

Source: [ForumIAS](#)

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

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

Which of the statements given above are correct?

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

Answer: B

Explanation –

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

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

Source: [ForumIAS](#)

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

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

How many of the above statements are correct?

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

Answer: B

Explanation –

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

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

Source: [ForumIAS](#)

Q.10) Consider the following statements:

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

Which of the statements given above are correct?

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

Answer: A

Explanation –

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

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

Source: [ForumIAS](#)

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PRELIMS

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

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

Which of the statements given above are correct?

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

Answer: C

Explanation -

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

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

Source: [ForumIAS](#)

Q.2) Consider the following statements:

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

Select the correct answer from the codes given below:

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

Answer: C

Explanation -

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

Source: [ForumIAS](#)

Q.3) Consider the following statements:

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

Which of the following crop has been described above?

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

Answer: D

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

Source: [ForumIAS](#)

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

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

How many of the above statements are correct?

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

Answer: A

Explanation –

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

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

Source: [ForumIAS](#)

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

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

Which of the above statements are correct?

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

Answer: B

Explanation –

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

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

Source: [ForumIAS](#)

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

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

Which of the statements given above are correct?

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

Answer: D

Explanation –

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

Source: [ForumIAS](#)

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

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

Answer: B

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

Source: [ForumIAS](#)

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

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

Which of the statements given above are correct?

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

Answer: A

Explanation –

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

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

Source: [ForumIAS](#)

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

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

Which of the statements given above are correct?

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

Answer: B

Explanation –

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

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

Source: [ForumIAS](#)

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

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

Select the correct statements using the codes given below:

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

Answer: B

Explanation –

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

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

Source: [ForumIAS](#)

PRELIMS

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

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

Which of the statements given above are correct?

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

Answer: C

Explanation –

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

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

Source: [ForumIAS](#)

Q.2) Consider the following statements:

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

Which of the statements given above are correct?

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

Answer: A

Explanations-

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

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

Source: [ForumIAS](#)

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Q.3) Consider the following statements:

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

Which of the statements given above are correct?

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

Answer: B

Explanation –

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

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

Source: [ForumIAS](#)

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

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

Select the correct answer from the code given below:

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

Answer: C

Explanation –

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

Source: [ForumIAS](#)

Q.5) Consider the following statements:

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

Which of the statements given above are correct?

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

Answer: B

Explanation –

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

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

Source: [ForumIAS](#)

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

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

Select the correct answer from the codes given below:

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

Answer: B

Explanation –

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

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

Source: [ForumIAS](#)

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

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

How many of the above statements are correct?

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

Answer: B

Explanation –

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

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

Source: [ForumIAS](#)

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Q.8) Magdalena River is located at

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

Answer: A

Explanation – Magdalena River is the main river of Colombia.

Source: [DNA](#)

Q.9) Consider the following statements:

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

Select the correct answer from the codes given below:

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

Answer: B

Explanation –

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

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

Source: [DNA](#)

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

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

Select the correct answer from the codes given below:

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

Answer: C

Explanation –

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

Source: [DNA](#)