

10 PM Current Affairs Quiz Compilation

17th to 22nd October, 2022

PRELIMS

Q.1) With reference to Digital Banking Units (DBUs) consider the following statements:

1. It will help in providing digital financial literacy to people.
2. These units will not be able to provide loan facilities.

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: Digital Banking Units digital financial literacy and special emphasis will be given to customer education on cyber security awareness and safeguards.

Statement 2: The statement is incorrect. DBUs will provide a variety of digital banking facilities to people such as the opening of savings accounts, balance-check, printing passbooks, transfer of funds, investment in fixed deposits, loan applications, etc.

Source: [Times of India](#)

Q.2) With reference to Enforcement Directorate (ED) consider the following statements:

1. It is a multi-disciplinary organization mandated with the task of enforcing the provisions of Foreign Exchange Management Act and Prevention of Money Laundering Act.
2. It functions under the Home Ministry.

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: Enforcement Directorate (ED) is a multi-disciplinary organization mandated with the task of enforcing the provisions of two special fiscal laws namely – Foreign Exchange Management Act, 1999 (FEMA) and Prevention of Money Laundering Act, 2002 (PMLA).

Statement 2: The statement is incorrect. It functions under the Department of Revenue of Ministry of Finance.

Source: [The Indian Express](#)

Q.3) With reference to Ebola Virus Disease (EVD) consider the following statements:

1. It can be transmitted from human to human and from animal to human.
2. Reverse Transcriptase Polymerase Chain Reaction (RT-PCR) is used to detect the virus.

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: Ebola Virus Disease (EVD) is also known as Ebola Hemorrhagic Fever. It can be transmitted from human to human and from animal to human.

Statement 2: antibody-capture Enzyme-Linked Immunosorbent Assay (ELISA) and Reverse Transcriptase Polymerase Chain Reaction (RT-PCR) assay are used to detect Ebola virus.

Source: [India Today](#)

Q.4) With reference to stem cell consider the following statements:

1. Stem cell technology can be used to treat genetic disorders.
2. These cells are found in humans but not in animals.

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

Answer: A

Explanation –

Statement 1: Stem cell technology can be used to treat genetic disorders.

Statement 2: The statement is incorrect. These cells are found both in humans and animals. This cell has unique ability to develop into specialized cell types in the body.

Source: [The Hindu](#)

Q.5) Ukrainian Borsch, which is seen in news, is related to which of the following?

- a) A nuclear plant on the verge of collapse
- b) New Capital of Ukraine
- c) A sour soup of Ukraine
- d) A River in Ukraine

Answer: C

UNESCO inscribed the Culture of Ukrainian borscht cooking on the List of Intangible Cultural Heritage in Need of Urgent Safeguarding in July 2022.

Borscht is a sour soup common in Eastern Europe and the word is associated with the soup's variant of Ukrainian origin.

Ukrainian borscht is cooked with broth combined with beetroot, sugar beet or fermented beet juice.

Ukrainian borscht unites people of all ages, genders and backgrounds at the table. It is also used in ritual practices such as in the region of Podillia, where the third day of the wedding has

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maintained its ritual name do nevistky – na borshch meaning ‘visit daughter-in-law to eat borscht’.

Source: [Ukrainian Borsch: In war-torn Ukraine, Unesco fights to protect a beetroot soup](#)

Q.6) With reference to legal rights to non-humans, consider the following statements;

1. Ecuador became the first country to grant legal rights to individual wild animals.
2. India granted river Ganga and its longest tributary Yamuna, the legal right to be protected and not be harmed.

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: In 2022, Ecuador became the first country to grant legal rights to individual wild animals.

Statement 2 is incorrect: Uttarakhand High Court Judgment (2017) granted the river Ganga and its longest tributary Yamuna the legal right to be protected and not be harmed. However, SC stayed it due to various legal and administrative issues and said it was unsustainable.

Source: [Indian Express](#)

Q.7) Which of the following is/are correct about plant-based meats?

1. Plants don't have muscle tissue (elastic and flexible). Instead, they have rigid structures.
2. For flavours, plant-based meat uses Beetroot extract and soy leghemoglobin.
3. Mock meat made from soy has been catering to Buddhist monks in East Asia for ages.

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

Statement 1 and 3 are correct: Plants don't have muscle tissue (elastic and flexible). Instead, they have rigid structures. Mock meat made from soy has been catering to Buddhist monks in East Asia for ages. **Statement 2 is incorrect:** For flavour, plant-based meat uses plant-based saturated fats to mimic the intra-muscular fat in animal tissue. Beetroot extract, pomegranate powder and soy leghemoglobin are used to mimic the colour(Look) of red meat.

Source: [What is 'meat' from plants, and is 'just like' meat vegetarian?](#)

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

1. Cold ocean currents are helping Galapagos Islands from global warming.
2. The islands became UNESCO's first World Heritage Site.

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: The Galapagos islands are protected from an otherwise warming Pacific Ocean by a cold, eastward equatorial ocean current.

The equatorial undercurrent in the Pacific Ocean is bound to the equator by the force of the planet's rotation. Under the ocean's surface, a swift circulation of cold, nutrient-rich water flows from west to east.

Some of this water is forced to the surface when it reaches the Galapagos Islands. The nutrient-rich water triggers photosynthesis and leads to an explosion of food for a wide variety of animals.

Statement 2 is correct: In 1978, the islands became UNESCO's first World Heritage Site. It is described by the UNESCO World Heritage Convention as a "living museum and showcase of evolution."

Source: [Ocean currents protect Galapagos Islands from global warming; but are they safe forever?](#)

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

1. Barium is lighter than iron and it is usually found in the upper atmosphere.
2. It is used for spark-plug electrodes and in vacuum tubes as drying and oxygen-removing agents.

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: Barium is two and half times heavier than iron. Heavy elements like barium quickly fall into the lower layers of the atmosphere given these exoplanets have high gravity.

Recently, scientists have detected barium in the upper atmosphere of two giant exoplanets for the first time.

Statement 2 is correct: Barium is often used in barium-nickel alloys for spark-plug electrodes and in vacuum tubes as drying and oxygen-removing agents.

Source: [Heavy metal out there: Researchers detect barium in atmospheres of 2 exoplanets](#)

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Q.10) With reference to International Monetary and Financial Committee(IMFC), consider the following statements;

1. The Committee discusses matters of common concern affecting the global economy and also advises the IMF on the direction of its work.
2. There is no formal voting at the IMFC which operates by consensus.

Which of the statements given above is/are incorrect?

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

Answer: D

Both the statements are correct.

IMFC has 24 members drawn from the pool of 190 governors. Its structure mirrors that of the Executive Board and its 24 constituencies. As such, the IMFC represents all the member countries of the Fund.

- The IMFC meets twice a year, during the Spring and Annual Meetings.
- The Committee discusses matters of common concern affecting the global economy and also advises the IMF on the direction of its work.
- At the end of the Meetings, the Committee issues a joint communiqué summarizing its views. These communiqués provide guidance for the IMF's work program during the six months leading up to the next Spring or Annual Meetings.
- There is no formal voting at the IMFC which operates by consensus.

Source: [Union Finance Minister attends the International Monetary and Financial Committee in Washington DC](#)

PRELIMS

Q.1) With reference to Oral Rehydration Solution (ORS) consider the following statements:

1. It is made of water, sugar, and electrolytes.
2. It helps in replenishing the body's fluid levels.
3. It's used to treat extreme dehydration caused due to diarrhea or vomiting.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statement 1: Oral Rehydration Solution (ORS) is made of water, sugar, and electrolytes, specifically potassium and sodium. ORS helps in replenishing the body's fluid levels. Statement 3 is incorrect. It's generally used to treat moderate dehydration due to diarrhea, vomiting, or other conditions.

Source: [The Indian Express](#)

Q.2) The term 'Pasmanda' was seen in the news recently. It refers to –

- a) A type of plant found in the mangrove forest.
- b) Backward Muslims
- c) The socio-religious movement of South India
- d) Biography of Lala Lajpat Rai

Answer: B

Explanation –

Pasmanda is a Persian word that means the 'ones left behind'. The word is used to describe the depressed classes among Muslims who have been deliberately or consciously excluded from the fruits of power and privilege.

Source: [The Indian Express](#)

Q.3) 'Wolf Warrior Diplomacy' is practiced by –

- a) Pakistan
- b) Afghanistan
- c) Ukraine
- d) China

Answer: D

Explanation – "Wolf warrior diplomacy" is a tactic for the Chinese government to extend its ideology beyond China and counter the West and defend itself. It is an unofficial term for the more aggressive and confrontational style of communication that Chinese diplomats have taken to in the last decade.

Source: [The Indian Express](#)

Q.4) With reference to avian influenza consider the following statements:

1. It is a disease caused by infection with influenza type A viruses.
2. It is a non-zoonotic disease.

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: avian influenza also known as bird flu is a disease caused by infection with influenza type A viruses.

Statement 2: The statement is incorrect. It is a zoonotic disease that means it can be spread from animals to humans.

Source: [The Hindu](#)

Q.5) Indian Edge, which is seen in news, is related to which of the following?

- a) A new IT platform of Indian IT companies
- b) An e-magazine on fertilizers
- c) A new portal of Indian Startups
- d) A unique conservation platform to conserve the Himalayas.

Answer: B

Indian Edge is an e-magazine on fertilizers. The magazine will provide information on domestic and international fertilizer scenarios, including recent developments, price trends analysis, availability and consumption, and success stories of farmers, among others.

Source: [Prime Minister Inaugurates 600 Pradhan Mantri Kisan Samruddhi Kendras](#)

Q.6) With reference to PM-Kisan Samridhi Kendras(PM-KSK), consider the following statements;

1. These Kendras will provide an interactive platform for knowledge sharing to create awareness among farmers on the latest technology and practices.
2. It was launched by the ministry of agriculture & farmers welfare.

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: Pradhan Mantri Kisan Samridhhi Kendra (PMKSK) will have one-of-a-kind 'model fertilizer retail shops' that shall offer various facilities under a single roof. The farmers get fertilizers and other inputs at cheaper rates under a single roof, adopt new technologies to enhance their farm production and are able to earn higher incomes.

These Kendras will also provide an interactive platform for knowledge sharing to create awareness among farmers on the latest and best agriculture technology and practices, as well as on the balanced use of fertilizers.

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Statement 2 is incorrect: It was launched by the Ministry of Chemicals & Fertilizers.

Source: [PM Modi inaugurates 'One Nation, One Fertilizer' scheme](#)

Q.7) Which of the following is/are correct about Indian Bison?

1. It is the largest species among the wild cattle and the Bovidae.
2. It is the state animal of Goa and Bihar.
3. These are found only in India.

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: A

Statement 1 and 2 are correct: Indian Gaur or Bison is the largest species among the wild cattle and the Bovidae. Gaur is the state animal of Goa and Bihar.

Statement 3 is incorrect: There are about 13,000 to 30,000 gaurs in the world with approximately 85% of the population present in India. It is also found in Burma and Thailand.

Source: [The Hindu](#)

Q.8) With reference to SECURE Himalaya project, consider the following statements;

1. The project supports the government's efforts for the conservation of snow leopard and its habitat in Himalayan ecosystems.
2. The project is funded by the Global Environment Facility (GEF).

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: The project supports the government's efforts for the conservation of snow leopard and its habitat by developing and implementing a landscape-based approach for Himalayan ecosystems.

It also addresses key issues of habitat degradation, threatened livelihoods and illegal trade in wildlife.

Statement 2 is correct: The project is funded by the Global Environment Facility (GEF).

Source: [The Times of India](#)

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Q.9) With reference to the Mangalyaan Mission, consider the following statements;

1. It is India's second interplanetary mission.
2. At present, the Mangalyaan mission has attained its end-of-life.

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: Mangalyaan was India's first interplanetary mission.

Statement 2 is correct: At present, the Mangalyaan mission has attained end-of-life.

Source: [Mars Orbiter craft non-recoverable, Mangalyaan mission over, confirms ISRO](#)

Q.10) With reference to Human Development Index(HDI), consider the following statements;

1. HDI was created solely to emphasize the importance of economic growth.
2. India's rank has not improved over the last two decades and declined by one place in 2022.

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: HDI was created to emphasize that people and their capabilities should be the ultimate criteria for assessing the development of a country, not economic growth alone.

Statement 2 is correct: India's rank has not improved over the last two decades and declined by one place in 2022.

Source: [Fact-Checking The HDI Tally](#)

PRELIMS

Q.1) Which of the following defines the partial solar eclipse?

- a) It is the eclipse occurred when the Moon completely covers the Sun.
- b) It is the eclipse occurred when the Sun and Moon are exactly in line with the Earth but the apparent size of the Moon is smaller than that of the Sun.
- c) It occurs when the Sun and Moon are not exactly in line with the Earth and the Moon covers only a portion of the Sun.
- d) It happens when Earth positions itself between the sun and the moon casting a shadow across the lunar surface.

Answer: C

Explanation –

Partial solar eclipse occurs when the Sun and Moon are not exactly in line with the Earth and the Moon covers only a portion of the Sun.

Source: [The Hindu](#)

Q.2) With reference to Amazon River dolphin consider the following statements:

- 1. They are also known as blue dolphin.
- 2. They are the largest species of river dolphin.
- 3. They are listed endangered in the IUCN Red Data Book.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Amazon River Dolphin is also known as Pink Dolphin. They are the largest species of river dolphin. They are listed endangered in the IUCN Red Data Book.

Source: [The Hindu](#)

Q.3) With reference to Apollo 9 mission consider the following statements:

- 1. It was a non-human spaceflight mission.
- 2. It was the mission of NASA.

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 –

Apollo 9 was a human spaceflight mission of NASA. It was the third human spaceflight in NASA's Apollo program.

Source: [The Hindu](#)

Q.4) With reference to Kamikaze drones consider the following statements:

1. They are also referred to as suicide drones as they are designed to blast in the attack causing maximum damage.
2. They are cheaper alternative to cruise missiles and can strike their targets from hundreds of kilometers away.

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-

Kamikaze drones are also referred to as suicide drones as they are designed to blast in the attack causing maximum damage. They are cheaper alternative to cruise missiles can strike their targets from hundreds of kilometers away.

Source: [DNA](#)

Q.5) Kuril Islands, which is seen in news recently, is a disputed territory between which of the following countries?

- a) Japan and China
- b) Japan and North Korea
- c) Russia and Japan
- d) China and Vietnam

Answer: C

Kuril Islands are stretched from the Japanese island of Hokkaido to the southern tip of Russia's Kamchatka Peninsula separating Okhotsk Sea from the North Pacific Ocean.

The Kuril Islands dispute between Japan and Russia is over the sovereignty of South Kuril Islands. These islands are claimed by Japan but occupied by Russia as the successor state of the Soviet Union. Japan calls the Islands as Northern Territories and Russia as the South Kuril.

Source: [The Diplomat](#)

Q.6) With reference to Green crackers, consider the following statements;

1. These crackers are composed salts of strontium, sodium, barium, calcium, and copper as well as white metals
2. The crackers developed by the Council of Scientific and Industrial Research.

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: Conventional crackers are composed of charcoal or thermite in combination with oxidizing agents such as nitrates or chlorates, sulfur agents, and colouring

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agents. These include salts of strontium, sodium, barium, calcium, and copper as well as white metals, which produce more particulate matter (PM).

But Green crackers are low-emission crackers, free of harmful chemicals such as sulphur, nitrates, arsenic, magnesium, sodium, lead, and barium, which reduce the emission of up to 30%.

Statement 2 is correct: The crackers developed by the Council of Scientific and Industrial Research (CSIR) falls under three categories (SWAS, STAR and SAFAL).

Source: [Indian Express](#)

Q.7) Which of the following is/are correct about Carbon Dating?

1. The dating method is based on the fact that Carbon-14 (C-14) is radioactive, and decays at a well-known rate.
2. C-14 is the most abundant isotope of carbon in the atmosphere.
3. The Carbon Dating method cannot be used to determine the age of non-living things and the age of things that are more than 40,000-50,000 years old.

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: C

Statement 1 and 3 are correct: The dating method is based on the fact that Carbon-14 (C-14) is radioactive, and decays at a well-known rate.

The Carbon Dating method cannot be used to determine the age of non-living things and the age of things that are more than 40,000-50,000 years old. This is because, after 8-10 cycles of half-lives, the amount of C-14 becomes almost very small and is almost undetectable.

Statement 2 is incorrect: C-14 is an isotope of carbon with an atomic mass of 14. The most abundant isotope of carbon in the atmosphere is C-12. A very small amount of C-14 is also present.

Source: [Indian Express](#)

Q.8) With reference to Governor's power, consider the following statements;

1. Governor does not have to seek anyone's advice while appointing the Chief Minister.
2. Only when the Chief Minister permits, the Governor can remove the minister.

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: Article 164(1) deals with the appointment of the Chief Minister and other ministers. Accordingly, Governor does not have to seek anyone's advice while appointing the Chief Minister, but he can appoint a minister only on the recommendation of the Chief Minister.

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Statement 2 is correct: If a Governor removes a minister in their own capacity, that will result in 'parallel governance'. Only when the Chief Minister allows it, then the Governor is empowered to remove the minister.

Source: [Can Governor Khan dismiss a state minister?](#)

Q.9) With reference to the Women Involvement in Science and Engineering Research (WISER) programme, consider the following statements;

1. It is a first-of-its-kind programme to promote women in the field of research and development through lateral entry.
2. It was launched by the Department of Science and Technology

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 is a first-of-its-kind programme to promote women in the field of research and development through lateral entry.

Statement 2 is incorrect: It was launched by the Indo-German Science & Technology Centre(IGSTC).

Source: [Mars Orbiter craft non-recoverable, Mangalyaan mission over, confirms ISRO](#)

Q.10) National Maritime Heritage Complex is located in which of the following place?

- a) Tuticorin
- b) Lothal
- c) Calicut
- d) Puducherry (Arikamedu)

Answer: B

National Maritime Heritage Complex(NHMC) will be developed in Lothal region of Gujarat. Lothal was one of the prominent cities of the Harappan civilization.

The site is known for the discovery of the oldest man-made dockyard which was connected to an old course of the Sabarmati River. Other features include the acropolis, the lower town, the bead factory, the warehouses, and the drainage system.

The site has been nominated to be enlisted as a UNESCO World Heritage Site.

Source: [PM reviews work in progress of National Maritime Heritage Complex site at Lothal, Gujarat](#)

PRELIMS

Q.1) With reference the Indus Water Treaty Consider the following statements:

1. The treaty allocated the three western rivers of the Indus River System to Pakistan for unrestricted usage.
2. The treaty allows India to build run of the river hydropower projects on the western rivers allocated to Pakistan.
3. Both countries can approach the United Nations in case of issue arising out of the treaty.

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: the Indus Water Treaty of 1960 allocated the three western rivers (Indus, Jhelum and Chenab) of the Indus River System to Pakistan for unrestricted usage.

Statement 2: The treaty allows India to build run of the river (non-storage of water) hydropower projects on the western rivers allocated to Pakistan.

Statement 3: The statement is incorrect. The treaty provides for three step dispute resolution mechanism – a) Permanent Commission, b) World Bank, c) Court of Arbitration.

Source: [The Times of India](#)

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

1. The position of Governor is similar to that of the President at the Union.
2. The Governor does not have power to choose anyone for minister.
3. The pleasure of the Governor means he has the right to dismiss the Chief Minister or ministers at his own will.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Statement 1: The position, role, powers, and conditions of office of the Governor are described in Articles 153-161 of the Constitution. The position of Governor is similar to that of the President at the Union. He is at the head of the state's executive power.

Statement 2: The Governor does not have power to choose anyone for minister. He can appoint a minister only on the advice of the Chief Minister.

Statement 3: The statement is incorrect. The pleasure of the Governor does not mean he has the right to dismiss the Chief Minister or ministers at his own will. The Governor can have his pleasure as long as the government enjoys majority in the House and he can withdraw his pleasure only when the government loses majority but refuses to quit.

Source: [The Indian Express](#)

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Q.3) With reference to “Web3 technology” consider the following statements:

1. It uses blockchains to give power back to the users in the form of ownership.
2. It is a highly centralized technology as ownership is controlled by centralized entities.
3. It uses cryptocurrency for spending and sending money online instead of bank payment infrastructure.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Statement 1: Web3 technology uses blockchains, cryptocurrencies, and NFTs to give power back to the users in the form of ownership. It is based on Read-Write-Own.

Statement 2: The statement is incorrect. It is decentralized as ownership gets distributed amongst its builders and users.

Statement 3: It uses cryptocurrency for spending and sending money online instead of bank payment infrastructure.

Source: [The Hindu](#)

Q.4) With reference to National Curriculum Framework 2022 consider the following statements:

1. It includes old age care and education.
2. Panchakosha concept has been included in the framework.

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: B

Explanation –

Statement 1: National Curriculum Framework 2022 has four sections - the National Curriculum Framework for School Education (NCFSE), the National Curriculum Framework for Early Childhood Care & Education (NCFECCE), the National Curriculum Framework for Teacher Education (NCFTE), and the National Curriculum Framework for Adult Education (NCFAE).

Statement 2: The framework has listed the 'panchakosha' concept for education. Panchakosha is an ancient explication of the importance of the importance of the body-mind complex in human experience and understanding.

Source: [The Times of India](#)

Q.5) Gandhinagar Declaration, which is seen in the news recently, is related to which of the following?

- a) India-Africa Defence Dialogue(IADD)
- b) India-China relations
- c) India-The UK Free Trade negotiation
- d) India-US defence cooperation

Answer: A

The Second India-Africa Defence Dialogue (IADD) was held on the sidelines of DefExpo 2022 in Gandhinagar, Gujarat. The Gandhinagar Declaration was adopted as the outcome document of the second edition of the IADD. It charted out new areas for enhancing the India-Africa defence and security partnership.

Source: [‘India-Africa Security Fellowship Programme’ at MP-IDSA launched during India-Africa Defence Dialogue on the sidelines of DefExpo 2022](#)

Q.6) With reference to Uranium-Thorium-Lead Dating, consider the following statements;

1. In this the radioactive isotope decays into argon and their ratios can give a clue about the age of rocks.
2. The ratios of these elements present in the material can be measured and used to make estimates about age.

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: Uranium and Thorium have several radioactive isotopes, and all of them decay into the stable lead atom.

Statement 2 is correct: The ratios of these elements present in the material can be measured and used to make estimates about age.

Source: [Carbon Dating](#)

Q.7) Which of the following can be included in Foreign Direct Investment?

1. Foreign currency convertible bonds
2. Global depository receipts
3. Non-resident external deposits

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: A

Source: [The Hindu](#)

Q.8) With reference to light-emitting diodes (LEDs), consider the following statements;

1. It is a semiconductor device that emits infrared or visible light when charged with an electric current.
2. Cost-efficient and bright light-emitting diodes (LEDs) are commonly desired for general light sources.

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 a semiconductor device that emits infrared or visible light when charged with an electric current.

Statement 2 is correct: Cost-efficient and bright light-emitting diodes (LEDs) are commonly desired for general light sources.

Source: [New materials developed can help move towards stable LEDs emitting bright light](#)

Q.9) With reference to the Uniform Civil Code, consider the following statements;

1. Indian laws follow a uniform code in most civil matters.
2. As of now, none of the Indian states/UTs implemented UCC.

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: Indian laws do follow a uniform code in most civil matters such as Indian Contract Act 1872, Civil Procedure Code, Transfer of Property Act 1882, Evidence Act, 1872 etc.

However, States have made hundreds of amendments and, therefore, in certain matters, there is diversity even under these secular civil laws.

Statement 2 is incorrect: As of now, Goa is the only state in India with a UCC.

Source: [The Hindu](#)

Q.10) Which of the following statement is not correct about Lothal?

- a) It was a thriving trade center in ancient times with its trade of beads, gems and ornaments reaching West Asia and Africa.
- b) The meaning of Lothal (a combination of Loth and (s) thal) in Gujarati is “the mound of the dead”.
- c) Lothal had the world’s earliest known dock.
- d) The port city is believed to have been built in 1100BC

Answer: D

The port city is believed to have been built in 2,200 BC.

Source: [Lothal, ‘oldest dock in the world’, to get heritage complex: Features, significance of the project](#)

PRELIMS

Q.1) With reference to the Pradhan Mantri Awas Yojana (PMAY)- Urban consider the following statements:

1. It is being implemented by the Ministry of Health and Family Welfare.
2. It promotes women empowerment by providing the ownership of houses in the name of female or in joint name.

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

Answer: B

Explanation –

Statement 1: The statement is incorrect. Pradhan Mantri Awas Yojana (PMAY)- Urban is being implemented by Ministry of Housing and Urban Affairs (MoHUA).

Statement 2: One of its features is to promote women empowerment by providing the ownership of houses in the name of female or in joint name.

Source: [The Hindu](#)

Q.2) Which of the following will not be the benefit of the country being removed from the 'grey list' of the Financial Action Task Force (FATF)?

- a) It will boost the country's overall economy
- b) It will increase the Foreign Direct Investment (FDI) inflow to the country.
- c) It will improve the sovereign credit rating of the country.
- d) It will reduce scrutiny of global transactions involving the country.

Answer: A

Explanation –

If a country is removed from the grey list of the FATF then removing from the list will not improve the economy as a whole. However, it may increase the FDI inflow, reduce the scrutiny of global transactions and may improve the sovereign credit rating.

Source: [The Times of India](#)

Q.3) With reference to Securities and Exchange Board of India (SEBI) consider the following statements:

1. It is a statutory body.
2. It is a quasi-legislative and quasi-judicial body.
3. Its head office is located in New Delhi.

Which of the statements given above are correct?

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

Answer: B

Explanation –

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Securities and Exchange Board of India (SEBI) is a statutory body established under the provisions of the Securities and Exchange Board of India Act, 1992. It comes under the control of the Ministry of Finance. It has quasi-executive, quasi-legislative and quasi-judicial powers. Its main function is to keep a check and control the securities in the Indian market. Its head office is located in Mumbai.

Source: [The Times of India](#)

Q.4) Consider the following statements with respect to climate finance:

1. It refers to finances drawn from different sources that seeks to support mitigation and adaptation actions to address climate change.
2. The largest source of climate finance in India is public spending.

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: Climate finance refers to local, national or transnational financing drawn from public, private and alternative sources of financing that seeks to support mitigation and adaptation actions that will address climate change.

Statement 2: The largest source of climate finance in India is public spending done through budgetary allocation and various schemes such as National Clean Energy Fund (NCEF).

Source: [Hindustan Times](#)

Q.5) Mission DefSpace, which is seen in the news recently, is related to which of the following?

- a) To improve the reading capability of disabled people.
- b) To improve the environmental space in government offices.
- c) To develop innovative solutions for the three Services in the space domain.
- d) Promote Indian manufacturers to create products with Zero defects.

Answer: C

Prime Minister has launched 'Mission DefSpace' at the ongoing DefExpo. He also unveiled the HTT-40 (Hindustan Turbo Trainer-40) indigenous trainer aircraft.

The Mission aims to develop innovative solutions for the three Services (Indian airforce, Navy and Army) in the space domain through the Indian industry and start-ups.

And also, the mission will develop a range of military applications for space warfare and to enable the private industries to offer solutions to the armed forces for future offensive and defensive requirements.

Under the mission, 75 challenges are being opened to get innovative solutions, based on the defence requirements in the space domain.

– Startups, innovators and the private sector will be invited to find solutions for the problems that will include both offensive and defensive capabilities.

Source: [Mission DefSpace: We have to work fast to solve various challenges in space technology:PM](#)

Q.6) With reference to Mission LiFE (Lifestyle for Environment), consider the following statements;

1. It is designed with the objective to mobilize at least one billion Indians and other global citizens to take individual and collective action for protecting and conserving the environment.
2. The mission will be implemented by the Department of Science and Technology.

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 is designed with the objective to mobilize at least one billion Indians and other global citizens to take individual and collective action for protecting and conserving the environment in the period 2022–28.

Statement 2 is incorrect: The mission will be incubated, curated and piloted by NITI Aayog and subsequently implemented by the Union Ministry of Environment, Forest and Climate Change.

Source: [PM launches Mission LiFE in the presence of U.N. Secretary General](#)

Q.7) Which of the following is correct about scorched earth tactics?

1. It is a part of a military strategy which seeks to destroy anything that could be of use to the enemy.
2. None of the Indian rulers in the past has used this tactic.
3. Harming civilians as part of this strategy has been banned under the 1977 Geneva Convention.

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: C

Statement 1 and 3 are correct: Scorched earth tactics form part of a military strategy which seeks to destroy anything that could be of use to the enemy, including energy supplies, bridges, provision stores, agricultural fields, road and railway links etc.

The destruction could be carried out by the enemy or by the retreating army of a country which does not want invaders to use its resources.

Harming civilians as part of this strategy has been banned under the 1977 Geneva Convention.

Statement 2 is incorrect: In India, the armies of Maratha leader Chhatrapati Shivaji were known for their scorched earth tactics. Some historians have said that while the Maratha leaders looted and burnt enemy towns, they were under orders to not harm civilians or desecrate religious sites.

Source: [German Chancellor says Russia using 'scorched-earth tactics': What is this strategy](#)

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Q.8) With reference to Rustom-2, consider the following statements;

1. It is a medium altitude long endurance(MALE) Unmanned aerial vehicle (UAV).
2. It is being developed to carry out surveillance and reconnaissance(ISR) roles.

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 a medium altitude long endurance(MALE) Unmanned aerial vehicle (UAV).

Statement 2 is correct: It is being developed to carry out surveillance and reconnaissance(ISR) roles and is also capable of carrying different combinations of advanced payloads and capable of auto-landing among others.

Source: [Indigenous UAV Rustom-2 to complete user trials by August 2023](#)

Q.9) With reference to the National Commission for Scheduled Tribes (NCST), consider the following statements;

1. It consists of a Chairperson, a Vice-Chairperson and 3 other Members who are appointed by the President by warrant under his hand and seal.
2. The members are not eligible for reappointment.

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 consists of a Chairperson, a Vice-Chairperson and 3 other Members who are appointed by the President by warrant under his hand and seal. At least one member should be a woman.

Statement 2 is incorrect: The Chairperson, the Vice-Chairperson and the other Members hold office for a term of 3 years. The members are not eligible for appointment for more than two terms.

Source: [Forest Conservation Rules infringe upon land rights of tribes people: ST panel chief](#)

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Q.10) Which of the following statement is not correct about National Curriculum Framework?

- a) It serves as a guideline for syllabus, textbooks and teaching practices for the Education system in India.
- b) It is usually published by the National Council of Educational Research and Training (NCERT).
- c) NCF has been revised for the first time in 1955.
- d) NCF 2022 would be the fifth revision of the framework.

Answer: C

NCF has been revised for the first time in 1975. After that it has been revised in 1988, 2000 and 2005.

Source: [Union Minister launches National Curriculum Framework for the Foundational Stage and the pilot project of Balvatika 49 Kendriya Vidyalayas across the country](#)

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Q.1) With reference to consent for the CBI consider the following statements:

1. The general consent is given to CBI by states for investing general as well as specific cases.
2. The CBI's position to investigate cases is same as that of the National Investigation Agency.

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: States give general consent to CBI for investing general as well as specific cases.

Statement 2: The statement is incorrect. The CBI's position to investigate cases is different from that of the National Investigation Agency as it is governed by the NIA Act, 2008, and has jurisdiction all over the country.

Source: [The Indian Express](#)

Q.2) With reference to Association of Southeast Asian Nations (ASEAN) consider the following statements:

1. Brunei is one of the member nations of ASEAN.
2. Its secretariat is located in Manila, Philippines.
3. One of its objectives is to promote Southeast Asian studies.

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: Indonesia, Malaysia, Philippines, Singapore, Thailand, Brunei, Vietnam, Laos, Myanmar, and Cambodia are the members of ASEAN.

Statement 2: The statement is incorrect. Its secretariat is located in Jakarta, Indonesia.

Statement 3: One of its objectives is to promote Southeast Asian studies.

Source: [The Hindu](#)

Q.3) “Viral spillover” was seen in the news recently. It is associated with –

- a) Transmission of virus
- b) Oil spilling in the sea
- c) Disease in the crops
- d) Sustainable farming technique

Answer: A

Explanation –

Viral spillover is a process where, when confronted with a new host, a virus may even infect it and transmit sustainably in this new host.

Source: [India Today](#)

Q.4) With reference to Jim Corbett national Park consider the following statements:

1. It lies in the middle Himalayas.
2. River Ramganga flows through this park.
3. It was the first national park 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 –

Jim Corbett national Park lies in the Shivaliks or outer Himalayas. It was the first national park of India and Asia. River Ramganga flows through the national park. This was the first park to come under Project Tiger initiative.

Source: [The Hindu](#)

Q.5) Groningen Gas Field, which is seen in the news recently, is located in which of the following country?

- a) Russia
- b) Netherlands
- c) Ukraine
- d) Germany

Answer: B

The gas field in Groningen, the Netherlands, has again come under the spotlight amid concerns over energy supplies.

The Dutch government announced that the field would be shut down by the end of 2024 due to the stress and suffering caused by earthquakes and tremors connected to gas extraction in the area.

The Groningen gas field is a natural gas field in Groningen province in the northeastern part of the Netherlands. It is the largest natural gas field in Europe

The region saw multiple earthquakes throughout the 1980s. The Dutch government said it would close the field in response to protests by locals. The closing date was moved up from 2030 to 2022.

Source: [Explained | How is the energy crisis in Europe shaping up?](#)

Q.6) With reference to FATF Grey list, consider the following statements;

1. These are countries that have, in the assessment of the FATF, failed to prevent international money laundering and terrorist financing.
2. At present, Pakistan has been remained in the FATF grey list for the fifth consecutive year.

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

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Statement 1 is correct: FATF maintains a “grey list” of countries that it watches closely. In essence, these are countries that have, in the assessment of the FATF, failed to prevent international money laundering and terrorist financing, and are, therefore, on a global watchlist for bad behaviour.

Statement 2 is incorrect: Recently, Pakistan has been taken off the ‘grey list’ of the Financial Action Task Force (FATF) after four years.

Countries on the list are The Philippines, Syria, Yemen, the United Arab Emirates, Uganda, Morocco, Jamaica, Cambodia, Burkina Faso, and South Sudan, and the tax havens of Barbados, Cayman Islands, and Panama.

Source: [Pakistan is out of FATF ‘grey list’ on terror funding](#)

Q.7) Which of the following statements is/are correct about genetically engineered plants?

1. Enable plants to grow and do photosynthesis in space stations.
2. Enable plants to withstand drought.
3. Increase the nutritive value of the produce.

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: B

Statement 2 and 3 are correct: GM crops will

- Provide resistance to pests.
- Enable plants to withstand drought.
- Increase the nutritive value of the produce.

Statement 1 is incorrect: GM crops are not developed and will not enable plants to grow and do photosynthesis in spaceships and space stations.

Source: [DTE](#)

Q.8) With reference to Pillars of Creation, consider the following statements;

1. It is a vista of three looming towers made of interstellar dust and gas.
2. It is located in the centre of the Eagle Nebula.

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 a vista of three looming towers made of interstellar dust and gas.

Statement 2 is correct: These iconic Pillars of Creation is located in the centre of the Eagle Nebula (it is a constellation of stars), which is also known as Messier 16.

At the ends of several pillars are bright red, lava-like spots. These are ejections from stars that are still forming, only a few hundred thousand years old.

Source: [Indian Express](#)

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Q.9) With reference to the Great Indian Bustards(GIBs), consider the following statements;

1. Rajasthan accounts for almost 95% of its total world population.
2. It is endemic to the India and not found in any other country in the world.

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: The Great Indian Bustard(GIB) is the State bird of Rajasthan. Its population is about 150 in Rajasthan which accounts for 95% of its total world population.

Statement 2 is incorrect: It is endemic to the Indian subcontinent. It is found in Rajasthan (Desert National park), Gujarat, Madhya Pradesh, Karnataka, and Andhra Pradesh in India and parts of Pakistan.

Source: [Are critically endangered Great Indian Bustards now migrating to Pakistan?](#)

Q.10) Which of the following factors can cause human induced seismicity?

1. Damming of rivers to build reservoirs.
2. The extraction of oil and gas.
3. Mining for minerals.

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

The damming of rivers to build reservoirs, the extraction of oil and gas, and mining are some examples of human activities that could lead to 'induced seismicity'.

For instance, to enhance energy extraction, wastewater, sand and chemicals are injected into the earth at high pressure to create fractures in the rocks. This process is called "hydraulic Fracturing".

This process helps improve the interconnectivity of the pores in order to enhance oil and gas extraction. In some cases, fluid is injected into pores connected to the fault which may substantially increase the pore pressure within the fault to counteract the effective frictional forces. This may trigger earthquakes.

Source: [Explained | How is the energy crisis in Europe shaping up?](#)