

10 PM Current Affairs Quiz Compilation

13th to 18th June, 2022

PRELIMS

Q.1) With reference to Financial Action Task Force (FATF), consider the following statements:

1. It conducts regular peer-reviewed evaluations called Mutual Evaluations (ME) of countries to check their performance on standards prescribed by it.
2. For countries under its Grey list, the FATF calls on members and non-members to apply enhanced due diligence.

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 conducts regular peer-reviewed evaluations called Mutual Evaluations (ME) of countries to check their performance on standards prescribed by it. The reviews are carried out by FATF and FATF-Style Regional Bodies (FSRBs), which then release Mutual Evaluation Reports (MERs).

Statement 2 is incorrect: For Grey list countries, the FAT does not tell other members to carry out due-diligence measures vis-a-vis the listed country but does tell them to consider the risks such countries possess.

- For countries under Black list, the FATF calls on members and non-members to **apply enhanced due diligence**. In the most serious cases, members are told to **apply counter-measures** such as sanctions on the listed countries.

Source: [Article](#)

Q.2) Which of the following countries are members of G7?

- a) Germany, USA, China and UK
- b) Italy, UK, India and Australia
- c) Canada, UK, USA and Russia
- d) Italy, Japan, France and Germany

Answer: d

- G7 currently consists of US, UK, Germany, Japan, Italy, France and Canada. The major purpose of the G-7 currently is to discuss and sometimes act to help resolve global problems, with a special focus on economic issues. The group has discussed financial crises, monetary systems, and major world crises such as oil shortages.

Source: [Article](#)

Q.3) With reference to the Organization of Islamic Cooperation (OIC), consider the following statements:

1. UN Members with Muslim majority can join the organization.
2. It is the second largest intergovernmental organization after the United Nations.

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 statements are correct.

- UN Members with Muslim majority can join the organization
- It is the second largest intergovernmental organization after the United Nations. It has a membership of 57 states spread over four continents.

Source: [Article](#)

Q.4) With reference to supermassive black holes, consider the following statements:

1. They have more mass than our Sun.
2. They typically exist at the edges of large galaxies.

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:** Supermassive black holes contain between one hundred thousand and ten billion times more mass than our Sun.
- **Statement 2 is incorrect:** They typically exist at the centre of large galaxies, including the centre of our own galaxy, the Milky Way.

Source: [Article](#)

Q.5) Which of the following missiles have been developed under the Integrated Guided Ballistic Missiles Programme (IGBMP)?

1. Prithvi
2. BrahMos
3. Nag

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

Missiles developed under the IGBMP are:

- Prithvi, Agni, Trishul, Akash and Nag

Source: [Article](#)

Q.6) With reference to Sacred Relics of Buddha, consider the following statements;

1. His relics from the funeral pyre were collected and divided into eight shares.
2. The Mallas of Kushinagar cremated his body with ceremonies befitting a universal king.

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

Both the statements are correct.

At the age of 80, Buddha attained salvation in Uttar Pradesh's Kushinagar district.

The Mallas of Kushinagar cremated his body with ceremonies befitting a universal king.

His relics from the funeral pyre were collected and divided into eight shares to be distributed among the Ajathsatrus of Magadha, the Licchavis of Vaishali, the Sakyas of Kapilavastu, Mallas of Kushinagar, Bullies of Allakappa, the Mallas of Pava, the Koliyas of Ramagrama and a Brahmana of Vethadipa. The purpose was to erect stupas over the sacred relics.

Stupas erected over the bodily relics of Buddha (Saririka stupas) are the earliest surviving Buddhist shrines.

It is also said that Ashoka (272–232 BC), being an ardent follower of Buddhism, opened up seven of these eight stupas and collected a major portion of the relics for enshrinement within 84,000 stupas built by him in an effort to popularize Buddhism as well as the cult of the stupas.

Source: [PIB](#)

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Q.7) With reference to Ain-i-Akbari, consider the following statements;

1. It is the detailed explanation of Mughal art and architecture under Emperor Akbar
2. It was written by his court historian, Abu'l Fazl in the Persian language.

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: It is a 16th-century detailed document recording the administration of the Mughal Empire under Emperor Akbar.

Statement 2 is correct: It was written by his court historian, Abu'l Fazl in the Persian language.

Source: [PIB](#)

Q.8) Which of the following bodies does not/do not find mention in the Constitution?

1. National Development Council
2. Planning Commission
3. Zonal Councils

Select the correct answer using the codes given below:

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

Answer: C

None of the above mentioned bodies are not mentioned in the Constitution.

Source: [PIB](#)

Q.9) Nanhi Pari Programme, which was seen in the news. Is related to which of the following?

- a) A new programme to provide financial benefits to the elderly
- b) A programme to enhance rural health access
- c) A scheme to protect the birth of a girl child
- d) A programme to provide nutritional supplements to remote areas

Answer: C

'Nanhi Pari' is a scheme to provide a one-stop solution to parents, eliminating their need to visit various offices to obtain documents.

The programme aims to complete essential services such as provision of a birth certificate, Aadhaar card registration, and opening a bank account for girls delivered in government hospitals in the district before mother and baby are discharged.

Source: [Indian Express](#)

Environment

Q.10) With reference Vermin, consider the following statements;

1. The Wildlife Protection Act does not define the word Vermin.
2. Both Centre and State governments have the power to declare wild animal as vermin.
3. An animal can be declared as vermin for any specified area and a specified period of time.

Which of the statements given above is/are correct?

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

Answer: C

Statement 1 is correct: The Wildlife Protection Act does not define the word Vermin.

Statement 2 is incorrect: The 62nd section of the Wildlife Protection Act grants the central government the power to declare any wild animal as vermin.

Statement 3 is correct: An animal can be declared as vermin for any specified area and a specified period of time. For instance, the Center declared rhesus monkeys in Himachal Pradesh, wild boar in Uttarakhand and Nilgai in Bihar to be vermin.

Source: [Down To Earth](#)

PRELIMS

Q.1) Which of the following schemes have been approved to provide fortified rice as a component?

1. Integrated Child Development Services (ICDS)
2. Pradhan Mantri Poshan Shakti Nirman (PM-POSHAN) scheme
3. Targeted Public Distribution System (TPDS)

Select the correct answer using the codes given below

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) All of the above

Ans) d

Explanation)

The Cabinet Committee on Economic Affairs, has accorded its approval for supply of fortified rice throughout the Targeted Public Distribution System (TPDS) under the National Food Security Act (NFSA), Integrated Child Development Services (ICDS), Pradhan Mantri Poshan Shakti Nirman-PM POSHAN [erstwhile Mid-Day Meal Scheme (MDM)] and Other Welfare Schemes (OWS) of Government of India in all States and Union Territories (UTs) by 2024 in a phased manner.

Q.2) Which of the following statements correctly describe the term 'Plurilateral Agreements', with regard to WTO?

- a) It is an agreement where a limited number of members with a particular interest have to agree for its enforcement.
- b) It is an agreement where all members have to agree for its enforcement
- c) This agreement requires votes of at least 80% of members present and voting.
- d) None of the above

Ans) a

Explanation

A plurilateral treaty is a special type of multilateral treaty. A plurilateral treaty is a treaty between a limited number of states with a particular interest in the subject of the treaty. The primary difference between a plurilateral treaty and other multilateral treaties is that the availability of reservations is more limited under a plurilateral treaty. Due to the limited nature of a plurilateral treaty, the full cooperation of the parties to the treaty is required in order for the object of the treaty to be met. As a result, reservations to plurilateral treaties are not allowed without the consent of all other parties to the treaty. This principle is codified in international law by article 20(2) of the Vienna Convention on the Law of Treaties:

Source: [Down to Earth](#)

Q.3) Corvettes are equipped with which of the following statements are correct regarding Corvettes?

- 1) They are categorized as anti-submarine ships.
- 2) They belong to the warship class of a frigate

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. These are highly agile ships and are categorised as missile boats, anti-submarine ships, coastal patrol crafts and fast attack naval vessels. The word corvette itself is derived from French and Dutch origin.

Statement 2 is incorrect. A Corvette is the smallest class of naval ships and it falls below the warship class of a frigate.

Source: [Indian Express](#)

Q.6) With reference to the Biomass Co-firing, consider the following statements;

1. In this Coal and biomass are combusted together in boilers that have been designed to burn coal without any retrofitting.
2. It is a cost-effective method for decarbonising a coal fleet.
3. Biomass pellets can be stored for long durations at the plant.

Which of the statements given above is/are correct?

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

Answer: C

Statement 1 is incorrect: Coal and biomass are combusted together in boilers that have been designed to burn coal. For this purpose, the existing coal power plant has to be partly reconstructed and retrofitted.

Statement 2 is correct: Biomass co-firing is a globally accepted cost-effective method for decarbonising a coal fleet.

Statement 3 is incorrect: It is challenging to store biomass pellets for long durations at the plant sites since they absorb moisture from air quickly, rendering them useless for co-firing. Only pellets with up to 14% of moisture can be used for combustion along with coal.

Source: [DTE](#)

Q.7) Vyommitra, which is recently seen in news, is related to which of the following?

- a) It is a binary supermassive black hole system in the Blazar
- b) It is a spacefaring human robot developed by ISRO
- c) It is an ancient Buddhist relic identified in Mangolia
- d) It is a unique set of fossilized dinosaur eggs with one egg nesting within the other

Answer: B

Gaganyaan, major missions like the test vehicle flight for the validation of crew escape system performance and the first uncrewed mission of Gaganyaan are scheduled in the second half of 2022.

This will be followed by the second uncrewed mission at the end of 2022 carrying “Vyommitra”, a spacefaring human robot developed by ISRO, and finally the first crewed Gaganyaan mission will takeplace in 2023.

Source: [Times of India](#)

Q.8) With reference to Ramsay Hunt Syndrome, consider the following statements;

- 1. Ramsay Hunt Syndrome is caused by reactivation of varicella zoster virus.
- 2. There is no treatment available for Ramsay Hunt Syndrome.

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: Ramsay Hunt Syndrome is caused by reactivation of varicella zoster virus that has previously caused chickenpox and shingles in the patient.

Statement 2 is incorrect: Antiviral therapies and corticosteroids (anti-inflammatory drug) are commonly used to treat the condition.

Source: [Indian Express](#)

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

- 1. These are solid plastic particles of less than one micrometer in their largest dimension.
- 2. Microplastics reduces the growth and reproductive output in marine animals.

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: Microplastics are solid plastic particles of less than one millimeter in their largest dimension.

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These are used in cosmetics and personal care products, industrial scrubbers which are used for aggressive blast cleaning, microfibers used in textiles and virgin resin pellets used in plastic manufacturing processes.

Statement 2 is correct: Microplastics damage aquatic creatures including turtles and birds. It blocks digestive tracts, and alters feeding behavior. Subsequently, it reduces the growth and reproductive output in marine animals.

Source: [The Hindu](#)

Q.10) Consider the following pairs related to various martial art forms in India;

Martial Arts	-	State
1. Thang Ta	-	Manipur
2. Lathi Khela	-	Bihar
3. Gatka	-	Punjab
4. Mallakhamb	-	Uttar Pradesh

How many pairs given above are correctly matched?

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

Answer: B

Martial Arts	-	State
1. Thang Ta	-	Manipur
2. Lathi Khela	-	West Bengal
3. Gatka	-	Punjab
4. Mallakhamb	-	Madhya Pradesh

Source: [PIB](#)

PRELIMS

Q.1) Nixtamalisation technique is associated with which of the following?

- a) Carbon Capture and Storage
- b) Fortification of Maize
- c) Production of Green Hydrogen
- d) Cultivation of wheat

Answer: b

- Nixtamalisation is a method by which the ancient peoples of Mesoamerica like the Maya used to soak and cook their maize in an alkaline solution and make it more palatable, nutritious and non-toxic. Nixtamal is derived from the Nahuatl word nextamalli, meaning 'nixtamalised maize dough'.

Source: [Article](#)

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

1. Of the total annual recruits, only twenty five per cent will be allowed to continue for another fifteen years under permanent commission.
2. The recruitment will be done on all India, all class recruitment to the services.

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

- Of the total annual recruits, 25 per cent will be allowed to continue for another 15 years under permanent commission.
- The recruitment will be done on “**all India, all class**” recruitment to the services (from any caste, region, class or religious background). Currently, recruitment is based on ‘**regiment system**’ based on region and caste bases.

Source: [Article](#)

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

1. GSLV Mk III would be the launch vehicle used in this mission.
2. Vyommitra a space rover has been developed to accompany the Gaganyaan crew.

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:** GSLV Mk III will be the launch vehicle used for this mission.

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- **Statement 2 is incorrect:** Vyommitra is a spacefaring human robot, not a rover.

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

1. It is a solid, inflammable substance produced in the digestive system of all whales.
2. It is used to produce perfumes and traditional medicines.

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:** Ambergris is a solid, waxy, flammable substance of a dull grey or blackish color produced in the digestive system of sperm whales.
- **Statement 2 is correct.**

Q.5) With reference to National Clean Air Programme (NCAP), consider the following statements:

1. Non-attainment cities, under NCAP, are those that have fallen short of the National Ambient Air Quality Standards (NAAQS) for over five years.
2. The NCAP targets are non-binding.

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

- **The plan includes 102 non-attainment cities,** across 23 states and Union territories, which were identified by the Central Pollution Control Board (CPCB) on the basis of their ambient air quality data between 2011 and 2015.
 - **Non-attainment cities:** These are those that have fallen short of the National Ambient Air Quality Standards (NAAQS) for over five years.
- Targets under the NCAP are legally non-binding.

Source: [Article](#)

Q.6) Consider the following pairs

Terms	-	Context/Topic
1. Belle II experiment	-	Artificial Intelligence
2. Blockchain technology	-	Digital/Cryptocurrency
3. CRISPR-Cas9	-	Bio-technology

Which of the pairs given above is/are correctly matched?

- a) Only one pair
- b) Only two pairs
- c) All three pairs
- d) None of the above

Answer: B

Terms	-	Context/Topic
1. Belle II experiment	-	Particle physics experiment
2. Blockchain technology	-	Digital/Cryptocurrency
3. CRISPR-Cas9	-	Bio-technology

Source: [The Hindu](#)

Q.7) Language Model for Dialogue Applications (LaMDA), which was seen in news recently, is related to which of the following?

- a) A new language model to promote linguistic diversity of India
- b) A new model app to provide basic sentence in all Indian Languages
- c) An artificial intelligence-based chatbot of Google
- d) An innovative platform to teach language to school children

Answer: C

LaMDA is short for 'Language Model for Dialogue Applications'. It is Google's modern conversational agent enabled with a neural network capable of deep learning.

Recently, Language Model for Dialogue Applications (LaMDA) was engaged to test for bias/hate speech. The tester claimed that the updated software is now sentient.

He argues that consent from the software must be obtained before experiments are run on it. But, Google and many tech experts have dismissed the comment.

Source: [IE](#)

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

1. A neobank is a kind of digital bank without any branches.
2. They leverage technology and artificial intelligence to offer personalised services to customers while minimising operating costs.
3. In India, Neobanks have a bank licence of their own.

Which of the statements given above is/are correct?

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

Answer: A

Statement 1 is correct: A neobank is a kind of digital bank without any branches. Rather than being physically present at a specific location, neobanking is entirely online.

Statement 2 is incorrect: They leverage technology and artificial intelligence to offer personalised services to customers while minimising operating costs.

Statement 3 is incorrect: In India, these firms don't have a bank licence of their own. They rely on bank partners to offer licensed services. That's because the RBI doesn't allow banks to be 100% digital yet.

Source: [TOI](#)

Q.9) With reference to Lumpy Skin Disease, consider the following statements;

1. Lumpy skin disease is primarily spread between animals by biting insects (vectors), such as mosquitoes and biting flies.
2. There are no specific antiviral drugs available for the treatment of lumpy skin 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: C

Lumpy skin disease is primarily spread between animals by biting insects (vectors), such as mosquitoes and biting flies.

There are no specific antiviral drugs available for the treatment of lumpy skin disease. The only treatment available is supportive care of cattle. This can include treatment of skin lesions using wound care sprays and the use of antibiotics to prevent secondary skin infections and pneumonia.

Source: [DTE](#)

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Q.10) With reference to Tree Transplantation, consider the following statements;

1. It is a good method to protect young plants from diseases and pests until they mature.
2. It is convenient and most affordable technique.

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: Ramsay Hunt Syndrome is caused by reactivation of varicella zoster virus that has previously caused chickenpox and shingles in the patient.

Statement 2 is incorrect: It is a relatively convenient but less affordable technique.

Source: [Indian Express](#)

PRELIMS

Q.1) Thin film deposition is an important manufacturing step in the production of which of the following?

1. Semiconductor lasers
2. Precision optics
3. LED displays

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

- A Thin Film is a layer of material ranging from fractions of a nanometer(monolayer) to several micrometers in thickness.
- Thin film deposition is the process of creating and depositing thin film coatings onto a substrate material. These coatings can be made of many different materials, from metals to oxides to compounds.
- Thin film deposition is an important manufacturing step in the production of many opto-electronic, medical devices and products including consumer electronics, semiconductor lasers, LED displays, semiconductors, precision optics and medical implants.

Source: [Article](#)

Q.2) With reference to Lumpy Skin Disease (LSD), consider the following statements:

1. It is an infectious disease in cattle caused by Neethling virus.
2. There is no treatment available for 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

- Lumpy skin disease (LSD) is an infectious disease in cattle caused by a virus of the family *Poxviridae* also known as Neethling virus.
- There is no treatment for the virus, so prevention by vaccination is the most effective means of control.

Source: [Article](#)

Q.3) It is an ecological phenomenon triggered by the addition or removal of top Predators and involving reciprocal changes in the relative Populations of predator and Prey through a Food chain. Which of the following term describes this phenomenon most appropriately?

- a) Trophic Cascade
- b) Regeneration
- c) Ecological succession
- d) Biomagnification

Answer:

a

Trophic cascade, an ecological phenomenon triggered by the addition or removal of top predators and involving reciprocal changes in the relative populations of predator and prey through a food chain, which often results in dramatic changes in ecosystem structure and nutrient cycling

Q.4) With reference to Base Erosion and Profit Shifting (BEPS), consider the following statements:

1. It involves tax avoidance by exploiting loopholes in taxation system of the countries
2. BEPS has been deemed illegal globally.

Which of the above statements 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:** BEPS refers to “tax planning strategies that exploit gaps and mismatches in tax rules to make profits ‘disappear’ for tax purposes or to shift profits to locations where there is little or no real activity but the taxes are low resulting in little or no overall corporate tax being paid
- **Statement 2 is incorrect:** As per OECD, in most cases BEPS strategies are not illegal. Largely they just take advantage of current rules that are still grounded in a bricks and mortar economic environment rather than today’s environment of global players which is characterized by the increasing importance of intangibles and risk management. That said, some of the schemes used are illegal and tax administrations are fighting them.

Q.5) World Competitiveness Index is released by?

- a) Institute for Management Development
- b) World Bank
- c) The Economist Intelligence Unit
- d) IBRD

Answer: a

- India witnessed the sharpest rise among the Asian economies, with a six-position jump from 43rd to 37th rank on the annual World Competitiveness Index compiled by the Institute for Management Development, largely due to gains in economic performance.

Source: [Article](#)

Q.6) Which of the following terms is /are associated with the implementation of 5G technology?

1. massive Machine Type Communication (mMTC)
2. Ultra-Reliable Low-Latency Communication (URLLC)
3. enhanced Mobile BroadBand (eMBB)

Select the correct answer from the codes given below.

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

Answer: D

With the enhanced mobile broadband (eMBB) feature of 5G, the full potential of digital education.

Ultra-reliable low-latency communication (URLLC) feature of 5G will enable user-friendly point-of-care diagnostics and the creation of much-needed connected ambulances.

The massive machinetype communication (mMTC) feature of 5G can help in integrating initiatives across transit systems, like FASTag for toll and entry tax. This can not only improve efficiency within the transportation sector but also reduce our carbon footprints.

Source: [TOI](#)

Q.7) Which of the following rights is violated by misleading advertisements?

1. Right to choose
2. Right to be safeguarded against potentially unsafe products and services
3. Right to be informed

Select the correct answer from the codes given below.

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

Answer: D

Misleading advertisements violate various rights of consumers such as right to be informed, right to choose and right to be safeguarded against potentially unsafe products and services.

Source: [PIB](#)

Q.8) With reference to 22-degrees halo, consider the following statements;

1. A 22-degree halo develops when light enters one side of a columnar ice crystal and exits through another side.
2. It is formed only in the presence of Mid-level Clouds especially Altostratus clouds.

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: A 22-degree halo develops when light enters one side of a columnar ice crystal and exits through another side.

Statement 2 is incorrect: A 22-degree halo is a ring of light 22 degrees from the sun (or moon) and is the most common type of halo observed and is formed by hexagonal ice crystals with diameters less than 20.5 micrometres.

Halos form when light from the sun or moon is refracted by ice crystals associated with thin, high-level clouds (like cirrostratus clouds).

Source: [Telangana Today](#)

Q.9) Consider the following statements;

1. He was a Warkari saint and poet.
2. His Abhangs became the strong weapon against the Brahmanical dominance of society.
3. He composed a Marathi genre of literature which fused folk stories with spiritual themes.

Which of the following personality is described in the lines above?

- a) Sant Vallabhacharya
- b) Sant Sur Das
- c) Sant Tukaram
- d) Chaitanya Mahaprabhu

Answer: C

Source: [Indian Express](#)

Q.10) With reference to the Presidential Election, consider the following statements;

1. Presidential and Vice-Presidential Elections Act vests the superintendence, direction and control of the conduct of election to the office of the President in the Parliament.
2. The votes are weighted, their value determined by the population of each state as per Census 1971.

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: Article 324 of the Constitution read with the Presidential and Vice-Presidential Elections Act, 1952, and the Presidential and Vice – Presidential Elections Rules, 1974 vests the superintendence, direction and control of the conduct of election to the office of the President of India in the Election Commission of India.

Statement 2 is correct: Article 55 (3) of the Constitution provides that the election shall be held in accordance with the system of proportional representation by means of the single transferable vote and the voting at such election shall be by secret ballot.

The votes are weighted, their value determined by the population of each state as per Census 1971.

Source: [PIB](#)

PRELIMS

Q.1) Ex SAMPRITI-X is a joint bilateral military exercise between India and which of the following countries?

- a) Thailand
- b) Bangladesh
- c) Nepal
- d) Bhutan

Answer: b

It is a joint military exercise between India and Bangladesh.

Source: [Article](#)

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

1. Secondary microplastics are formed through exposure to environmental factors, like radiation from the sun, wind and ocean waves.
2. Scavenging results in microplastics being able to travel and further pollute land and water.

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:** Secondary microplastics are formed through the degradation of larger plastic items like bottles, fishing nets and plastic bags. This occurs through exposure to the environment, like radiation from the sun, wind and ocean waves.
- **Statement 2 is correct:** When snow travels in the atmosphere, it binds itself to airborne particles and pollutants, which are then deposited on Earth's surfaces. This phenomenon is called "scavenging". Hence, this is a significant way in which microplastics are able to travel and further pollute land and water.

Source: [Article](#)

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

1. This form of lending is done through Decentralized Finance (DeFi) platforms.
2. In India, the Crypto lenders are under the regulatory supervision of the RBI.

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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- Crypto lending has boomed over the past two years as decentralized finance or “DeFi,” platform.
- Crypto lenders aren’t overseen by financial regulators. That means that customers who hold their crypto at the platforms could lose access to their funds –

Source: [Article](#)

Q.4) With reference to Microfinance Institutions, consider the following statements::

1. MFIs are financial companies that provide small loans to people who do not have any access to banking facilities.
2. NBFC-MFIs in India are regulated by Ministry of Finance.

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:** MFIs are financial companies that provide small loans to people who do not have any access to banking facilities.
- **Statement 2 is incorrect:** NBFC-MFIs in India are regulated by the Non-Banking Financial Company -Micro Finance Institutions (Reserve Bank) Directions, 2011 of the Reserve Bank of India

Q.5) With reference to the Environment (Protection) Act, 1986, consider the following statements:

1. It authorizes the central and state governments to protect and improve environmental quality.
2. It lays down standards for emission or discharge of environmental pollutants from various 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:

The Environment (Protection) Act, 1986 authorizes the central government to protect and improve environmental quality, control and reduce pollution from all sources, and prohibit or restrict the setting and /or operation of any industrial facility on environmental grounds.

- The Environment (Protection) Act was enacted in 1986 with the objective of providing for the protection and improvement of the environment.
- It empowers the Central Government to establish authorities charged with the mandate of preventing environmental pollution in all its forms and to tackle specific environmental problems that are peculiar to different parts of the country. The Act was last amended in 1991.
- The Environment (Protection) Rules lay down p

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

1. Sentient means the ability to feel, perceive things and have some consciousness.
2. Sentience is more based on emotions, while sapience is most based on wisdom.

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

Both the statements are correct.

Recently, Google engineers claim that Language Models for Dialog Applications or LaMDA is sentient AI.

Sentient intelligence or a sentient life is the type of cognitive intelligence that is directed towards experiencing feelings and sensations. Sentient intelligence means the ability to feel, perceive things and have some consciousness.

The key difference between sentient and sapient is the type of intelligence developed by individuals. Sentience is more based on emotions, while sapience is most based on wisdom.

Source: [Indian Express](#)

Q.7) With reference to Handicraft Sector, consider the following statements;

1. It is one of the largest employment generators after agriculture.
2. In the last five years, exports of Indian handicrafts have reduced significantly due to cheaper Chinese products.

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: Handicraft Sector is one of the largest employment generators after agriculture, providing a key means of livelihood to the country's rural and urban population.

Statement 2 is incorrect: In the last five years, exports of Indian handicrafts have gone up by more than 40%, as three-fourths of handicrafts are exported.

Indian handicrafts are majorly exported to more than a hundred countries, and the US alone constitutes about a third of India's handicrafts exports.

Source: [PIB](#)

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Q.8) With reference to Agni-IV Missile, consider the following statements;

1. It is a surface-to-surface missile.
2. It is fuelled by liquid propellant alone.
3. It can deliver one-tonne nuclear warheads about 4000 kms.

Which of the statements given above is/are correct?

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

Answer: C

Statement 1 is correct: Agni-IV is a nuclear-capable long-range ballistic missile of India, with a strike range of 4,000 km. The indigenously developed Agni-IV is a two-stage surface-to-surface missile.

Statements 2 is incorrect: It is a two stage solid fuelled system.

Statement 3 is correct: Agni-IV can carry a one-tonne nuclear warhead over a distance of 4,000 kilometres.

Source: [Indian Express](#)

Q.9) Digital News Report is published by which of the following organisation/Institute?

- a) Reporters without Borders
- b) Associated Press
- c) Agence France-Presse
- d) Reuters Institute

Answer: D

Reuters Institute for the Study of Journalism has released the Digital News Report, 2022.

The report termed India as a strongly mobile-focused market. 72% of the survey respondents accessed news through smartphones and 35% did so via computers.

Source: [The Hindu](#)

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Q.10) Which of the following countries is/are part of I2U2 Network?

1. The USA
2. India
3. The UK
4. Israel
5. Indonesia

Select the correct answer from the codes given below

- a) 1, 2 and 5 only
- b) 1, 2 and 4 only
- c) 2 and 3 only
- d) 2, 3 and 4 only

Answer: B

I2U2 is the grouping formed by four nations-India, Israel, UAE and the US. The countries share **various common global issues including food security crisis and defense.**

Source: [Indian Express](#)

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Q.1) With reference to the inter-state council, consider the following statements:

1. It was established via Presidential Order.
2. Membership of the council includes Cabinet rank ministers nominated by the President of India.

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 Inter-State Council was established under Article 263 of the Constitution of India through a Presidential Order dated 28th May 1990.
- **Statement 2 is incorrect:** Six Ministers of Cabinet rank in the Union Council of Ministers are nominated by the Prime Minister, not the President.

Source: [Article](#)

Q.2) With reference to the 3D Printing technology, consider the following statements:

1. It is a technology that is Produces objects layer by layer.
2. Subtractive manufacturing is a more advanced version of this technology that is going to play a pivotal role in Industrial revolution 4.0

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

- Subtractive manufacturing or Machining (traditional method) is an umbrella term for various controlled machining and material removal processes that start with solid blocks, bars, rods of plastic, metal, or other materials that are shaped by removing material through cutting, boring, drilling, and grinding.
- In contrast to the subtractive process of removing material from a larger piece, additive manufacturing or 3D printing processes build objects by adding material one layer at a time, with each successive layer bonding to the preceding layer until the part is complete

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

1. The first block in a Blockchain is known as the Genesis block.
2. Transaction data and a timestamp are both included in a block.

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

Both statements are correct.

- The first block in a Blockchain is termed as a Genesis block
- Each block in a blockchain contains – a) Cryptographic hash of the previous block, b) Transaction data and c) Timestamp

Source: [Article](#)

Q.4) With reference to Antibodies in human body, consider the following statements:

1. Antibodies recognize and attack antigens in order to remove them from the body.
2. IgM is the only isotype that can pass through the placenta.

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:** Antibody, also called immunoglobulin, is a protective protein produced by the immune system in response to the presence of a foreign substance, called an antigen. A wide range of substances are regarded by the body as antigens, including disease-causing organisms and toxic materials.
- **Statement 2 is incorrect:** IgG is the main antibody in blood and it has a powerful ability to bind to bacteria and toxins, and thus it takes on an important role in the biological defense system. IgG is the only isotype that can pass through the placenta, and IgG transferred from the mother's body protects a newborn

Q.5) Which of the following is/are correctly matched?

Disease	Causative agent
1. Black Death	Virus
2. Leprosy	Bacteria
3. Tetanus	Bacteria

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

- Black death is caused by a bacteria called as Yersinia pestis.
- Leprosy is caused by a Bacteria - Mycobacterium leprae.
- Tetanus is also caused by bacteria - Clostridium tetani

Source: [Article](#)

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Q.6) With reference to Web 5.0, consider the following statements;

1. It is aimed to build an extra decentralized web that puts one in control of their data and identity.
2. It is a combination of Web 1.0 and Web 2.0.

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 aimed to build an extra decentralized web that puts one in control of their data and identity.

Statement 2 is incorrect: Web 5.0 is Web 2.0 plus Web 3.0 that will allow users to 'own their identity on the Internet and 'control their data'.

Source: [Indian Express](#)

Q.7) Khan-Prahari Mobile Application which is seen in news recently is related to which of the following?

- a) To report illegal theft of electricity in rural areas
- b) To report any illegal coal mining incidents
- c) To improve monitoring of traffic violations
- d) To increase surveillance capability of Indian Army.

Answer: B

Khan-Prahari Mobile Application was launched by: Ministry of Coal. It is a tool for reporting any illegal coal mining incident through geotagged photographs as well as textual information by any individual.

Source: [PIB](#)

Q.8) Which of the following is/are the advantages of Mitticool Refrigerator?

1. Reviving the pottery culture
2. Promoting sustainable consumption
3. Reduce electricity bills

Select the correct answer from the codes given below.

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

Answer: D

The Mitticool refrigerator can play an influential role in **1)** Reviving the pottery culture, tradition, and heritage, **2)** Connecting people back to roots in better healthier ways, **3)** Promoting sustainable consumption, **4)** Economically empowering the indigent community, **5)** Working

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towards green and cool earth, economic development and employment generation and 6) Contributing towards rural women upliftment and making them financially independent.

Source: [PIB](#)

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

1. Wheat requires a cool growing season and bright sunshine at the time of ripening.
2. Punjab is the largest wheat producing state in India.
3. Well-drained fertile loamy and clayey loamy soil is best suited for Wheat.

Which of the statements given above is/are correct?

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

Answer: B

Statement 1 is correct: Wheat requires a cool growing season and bright sunshine at the time of ripening.

Statement 2 is incorrect: Top Wheat Producing States: Uttar Pradesh > Punjab > Haryana>Madhya Pradesh > Rajasthan> Bihar>Gujarat.

Statement 3 is correct: Well-drained fertile loamy and clayey loamy soil is best suited for Wheat.

Source: [Indian Express](#)

Q.10) Some Buddhist rock-cut caves are called Chaityas, while the others are called Viharas. What is the difference between the two?

- a) Vihara is a place of worship, while Chaitya is the dwelling place of the monks
- b) Chaitya is a place of worship, while Vihara is the dwelling place of the monks
- c) Chaitya is the stupa at the far end of the cave, while Vihara is the hall axial to it
- d) Vihara is a cave constructed on bottom of hill and Chaitya is a cave constructed on top of the hill.

Answer: B

'Vihara' is the Sanskrit and Pali term for a Buddhist monastery. It originally means 'a secluded place to walk', and referred to 'dwellings' used by wandering monks during the rainy season.

A Chaitya is a Buddhist shrine or prayer hall with a Stupa at one end. In modern texts on Indian architecture, the term 'Chaitya-Griha' is often used to denote an assembly or prayer hall that houses a Stupa.

Source: [Indian Express](#)