

10 PM Current Affairs Quiz Weekly Compilation

For UPSC CSE Prelims

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INDEX

Art & Culture	2
Geography	2
Polity	4
Acts & Policies	6
International Relations/Organizations	7
Economy	8
Environment.....	9
Science & Technology	11
Answer Key	12
Answers & Explanations	12

Art & Culture

Q.1) Consider the following statements:

1. India is the only country in the world where 11 languages are recognized as classical languages.
2. The 'Kendriya Hindi Samiti' is the highest body that provides guidelines for the development and promotion of the Hindi language in India.

Which of the statement(s) given above is/are correct?

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

Q.2) Consider the following statements:

1. The Four Noble Truths is considered the Middle Path in Buddhism.
2. In Buddhist philosophy, karuna refers to the cycle of birth, death, and rebirth.
3. The Middle Path of Buddhism encourages moderation in consumption and respect for nature's resources.
4. In Buddhism, the ultimate goal of spiritual practice is the attainment of Nirvana.

How many of the statements given above are correct?

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

Geography

Q.3) Consider the following statements:

1. Moraine is a type of ice formed from compacted snow in a glacier.
2. When glaciers melt and retreat, they leave behind large holes that fill with water, forming glacial lakes.
3. Pangong Tso is glacial lake in the disputed zone between Ladakh and China.
4. Glacial lakes act as hydrological buffers as they regulate or interrupt the flow of water from melting glaciers.

Which of the statements given above are correct?

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

Q.4) Which one of the following tectonic plates is NOT directly involved in the tectonic activity of the Ring of Fire?

- a) The Pacific Plate
- b) The Australian Plate
- c) The African Plate
- d) The North American Plate

Q.5) Consider the following statements:

1. The Sun rotates about its axis like the Earth.
2. The Sun has a rotation period of one day.
3. Plasma is the highly ionized state of matter that makes up the Sun.

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

Q.6) Consider the following statements regarding cloud seeding:

1. Silver iodide is the most commonly used substance in cloud-seeding.
2. Stratus clouds are targeted in cloud-seeding to induce rain.
3. It can also help in preventing earthquakes by stabilizing atmospheric pressure.

Which of the statement(s) given above is/are correct?

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

Q.7) Consider the following statements:

1. Warmer air holds less moisture that leads to droughts.
2. Changes in the jet stream can cause extreme weather patterns.

Which of the statement(s) given above is/are correct?

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

Q.8) Consider the following statements:

Statement-I: Polishing or de-branning millets helps extend millets' shelf life.

Statement-II: The bran contains fats that can spoil millets quickly.

Which one of the following is correct in respect of the above statements?

- a) Both Statement-I and Statement-II are correct and Statement-II is the correct explanation for Statement-I
- b) Both Statement-I and Statement-II are correct and Statement-II is not the correct explanation for Statement-I
- c) Statement-I is correct but Statement-II is incorrect
- d) Statement-I is incorrect but Statement-II is correct

Q.9) Which one of the following best describes the term 'population momentum'?

- a) The sudden increase in population due to a rise in fertility rates over a short period.
- b) A temporary decline in population growth due to a decrease in birth rates and an increase in death rates.
- c) The slow aging of a population due to improvements in healthcare and life expectancy.
- d) The continued population growth that occurs even after fertility rates decline due to a large proportion of young people entering reproductive age.

Q.10) Kishanganga River is a tributary of:

- a) Chenab River
- b) Sutlej River
- c) Ravi River
- d) Jhelum River

Polity

Q.11) Consider the following:

1. Recognition as an official language of India
2. Use in Competitive Examinations
3. Cultural Preservation

How many of the above advantages does a language receive upon being included in the Eighth Schedule of the Indian Constitution?

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

Q.12) Consider the following statements:

1. The Kesavananda Bharati case established the requirement that any Constitutional amendment passed by Parliament must receive the President's approval.
2. The Basic Structure doctrine applies only to Constitutional amendments and not to ordinary laws passed by the legislature.

Which of the statement(s) given above is/are correct?

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

Q.13) Consider the following statements:

1. The right to life includes the right to dignity, both in life and after death.
2. According to Section 33(1) of the Aadhaar Act, core biometric information such as fingerprints and iris scans, can be disclosed only with an order from a High Court.

Which of the statement(s) given above is/are correct?

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

Q.14) Consider the following statements:

Statement-I: The state can acquire all private properties, under Article 39(b) of the Indian Constitution, to serve the common good.

Statement-II: Article 39(b) of the Indian Constitution directs the state to ensure that material resources of the community are distributed in a way that benefits the public.

Which one of the following is correct in respect of the above statements?

- a) Both Statement-I and Statement-II are correct and Statement-II is the correct explanation for Statement-I
- b) Both Statement-I and Statement-II are correct and Statement-II is not the correct explanation for Statement-I
- c) Statement-I is correct but Statement-II is incorrect
- d) Statement-I is incorrect but Statement-II is correct

Q.15) Consider the following statements:

1. The Constitution of India has not defined the Anglo-Indian community.
2. The provision for Anglo-Indian representation in the Lok Sabha has been abolished.

Which of the statement(s) given above is/are correct?

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

Q.16) With reference to the National Crime Records Bureau (NCRB), consider the following statements:

1. It is responsible for investigating high-profile criminal cases.
2. It operates under the Ministry of Home Affairs.
3. 'Prison Statistics India' is report published by the NCRB.

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

Q.17) Consider the following statements:

1. Part XXI of the Indian Constitution contained Article 370.
2. The central government exercised legislative authority over education in Jammu and Kashmir under Article 370.
3. Article 35A granted the authority to define permanent residents of the state to the Jammu and Kashmir legislature.

How many of the statements given above are correct?

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

Q.18) Consider the following statements:

1. National Company Law Appellate Tribunal (NCLAT) decisions can be appealed to the High Court.
2. Insolvency and Bankruptcy Board of India (IBBI) is responsible for regulating insolvency professionals under the Insolvency and Bankruptcy Code, 2016.

Which of the statement(s) given above is/are correct?

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

Q.19) In the context of selection and appointment process for public service jobs, the 'rules of the game' refers to:

- a) The informal understanding among senior officials about how positions should be distributed based on historical precedence and bureaucratic norms.
- b) The implicit social conventions and traditional practices that govern professional conduct and hierarchy within public service.
- c) The established eligibility criteria and selection procedure set at the start of recruitment, unchangeable mid-process unless allowed by existing rules or laws.
- d) The unwritten codes of conduct and political influences that guide decision-making in appointment processes across different regions and administrations.

Q.20) Consider the following statements:

1. Article 28(3) of the Indian Constitution ensures that students in minority institutions funded by the State should not be forced into religious instruction.
2. Religious instruction in India is recognized under Article 23 of the Constitution.
3. The state government cannot regulate the institutions run by religious or linguistic minorities.

Which of the statement(s) given above is/are correct?

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

Acts & Policies

Q.21) Consider the following statements with respect to the Coastal Regulation Zone (CRZ) Rules, 2019:

1. It aims to promote sustainable development in coastal areas while taking into account the environmental risks posed by climate change and rising sea levels.
2. It includes provisions for setting up treatment facilities to control pollution in coastal areas.
3. It has increased the No Development Zones (NDZ) boundary limit from the High Tide Line.

How many of the statements given above are correct?

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

Q.22) Consider the following statements with respect to Namo Drone Didi Scheme:

1. It is part of the Deendayal Antyodaya Yojana – National Rural Livelihoods Mission (DAY-NRLM).
2. The primary objective of the scheme is to enhance agricultural efficiency by using drones for seed planting.

Which of the statement(s) given above is/are correct?

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

Q.23) With reference to Sagarmala Parikrama initiative, consider the following statements:

1. It aims to increase maritime trade by enhancing port infrastructure and shipping efficiency.
2. Indian Space Research Organisation (ISRO) has played a critical role in the development of the initiative.

Which of the statement(s) given above is/are correct?

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

Q.24) With reference to the PM-Vidyalaxmi Scheme, which of the following statements are correct?

1. It aims to provide collateral-free and guarantor-free education loans to students admitted to Quality Higher Education Institutions (QHEIs).
2. The scheme applies to students who secure admission in institutions ranked under the National Institutional Ranking Framework (NIRF).
3. The scheme gives preferences to students with highest marks in entrance exams.

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) 1, 2 and 3

International Relations/Organizations

Q.25) With reference to the Asian Buddhist Summit (ABS), consider the following statements:

1. The summit aims to foster dialogue among Buddhist leaders, scholars, experts, and practitioners from various traditions across Asia.
2. This summit is an important part of India's Neighbourhood First Policy.

Which of the statement(s) given above is/are correct?

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

Q.26) With reference to Asset Recovery Inter-Agency Network-Asia Pacific (ARIN-AP), consider the following statements:

1. It is designed to exchange information on individuals, companies, and assets at the international level to facilitate the pursuit and recovery of proceeds from unlawful activities.
2. The Secretariat of ARIN-AP is located in Indonesia.
3. The International Criminal Police Organization (INTERPOL) serves as a model for ARIN-AP.

How many of the statements given above are correct?

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

Q.27) The Sendai Framework, adopted by the United Nations, focuses on:

- a) Enhancing the use of artificial intelligence in disaster response and recovery
- b) Developing global standards for cybersecurity and internet governance
- c) Promoting sustainable urban development and transportation systems
- d) Reducing disaster risk and enhancing resilience to natural and man-made hazards

Q.28) With reference to the International Labour Organisation (ILO), consider the following statements:

1. The primary purpose of the ILO's governing body is to serve as the executive body of the ILO.
2. A unique aspect of ILO is its funding structure.
3. It is a specialized agency of the United Nations.

How many of the statements given above are correct?

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

Q.29) With reference to the Organization of the Petroleum Exporting Countries Plus (OPEC+), consider the following statements:

1. OPEC+ is led by the United States.
2. OPEC+ includes non-OPEC oil-producing countries.
3. When OPEC+ decides to cut oil production, oil prices tend to decrease.

How many of the statements given above are correct?

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

Q.30) With reference to the Quadrilateral Security Dialogue (Quad), consider the following statements:

1. It lacks a mutual defence pact.
2. It aims to influence the Indo-Pacific region by offering alternative debt financing for nations in the region.
3. It is often described as a coalition of economic superpowers.

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

Q.31) Consider the following statements with respect to the International Solar Alliance (ISA):

1. It aims to work with governments around the world to enhance access to energy and promote solar power as a key component of achieving a carbon-neutral future.
2. India is the largest consumer of solar energy in the alliance.
3. The World Bank provides technical expertise for solar projects under the ISA.

How many of the statements given above are correct?

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

Economy

Q.32) Consider the following statements:

1. Central banks buy gold to protect their country's wealth and diversify reserves.
2. When interest rates are high, gold becomes more attractive for investors.
3. A weaker dollar makes gold cheaper for international buyers.

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

Q.33) Consider the following statements:

1. China and India are the largest shareholders of the Asian Development Bank (ADB).
2. As per the ADB, India has removed subsidies on petrol and diesel.

Which of the statement(s) given above is/are correct?

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

Q.34) Which one of the following sectors is most commonly associated with Special Economic Zones in India?

- a) Agriculture
- b) Manufacturing
- c) Real estate
- d) Hospitality

Q.35) With reference to the Food Corporation of India (FCI), consider the following statements:

1. It was established to fulfil the objectives of National Food Security Act, 2013.
2. KRISHI DARPAN System has been implemented by the FCI as part of its digital transformation for supply chain management.
3. It provides subsidies to farmers to meet the Minimum Support Price (MSP).

How many of the statements given above are correct?

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

Q.36) Consider the following statements:

1. India is the world's largest importer of vegetable oils.
2. India mainly imports palm oil from countries like Indonesia, Malaysia, and Thailand.

Which of the statement(s) given above is/are correct?

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

Q.37) With reference to the Corporate Social Responsibility (CSR) in India, consider the following statements:

1. It is mandatory for companies meeting certain financial thresholds.
2. Eligible companies must spend 2% of average net profits on CSR activities.
3. Agriculture is one of the focus areas for CSR activities listed under Schedule VII of the Companies Act, 2013.
4. Securities and Exchange Board of India (SEBI) is responsible for tracking CSR-related expenditure by eligible companies.

How many of the statements given above are correct?

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

Environment

Q.38) Consider the following:

1. Tigers
2. Fishing Cat
3. Clouded Leopard
4. Snow leopards
5. Cheetahs
6. Jaguars
7. Pumas

How many of the above species fall under the protection and conservation efforts of the International Big Cat Alliance (IBCA)?

- a) Only four
- b) Only five
- c) Only six
- d) All seven

Q.39) Recently, a fund called the "Cali Fund" was established at the UN's Convention on Biological Diversity (CBD) Summit. The aim of the fund is to:

- a) Support global initiatives to counter deforestation in biodiversity hotspots and provide financial aid to countries with critically endangered forests.
- b) Provide financial aid to pharmaceutical companies for the development of synthetic alternatives to natural genetic resources.
- c) Ensure equitable sharing of profits derived from digitally sequenced genetic data with the communities where the genetic resources originate.
- d) Fund research and development for innovative technologies to monitor and prevent the spread of invasive species in tropical and subtropical regions.

Q.40) With reference to the Convention on Biological Diversity (CBD), which of the following statement(s) is/are correct?

1. Nagoya Protocol is a protocol under the CBD.
2. The United States is a party to the CBD.
3. The United Nations Environment Programme (UNEP) is the primary governing body of the CBD.

Select the correct answer using the codes given below:

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

Q.41) Which one of the following best describes the 'Agrivoltaic farming'?

- a) An integrated farming system that combines fish farming with solar panel installations to optimize land and water resources for sustainable energy and food production.
- b) A form of agriculture that combines vertical farming techniques with solar power generation to maximize space efficiency in urban areas.
- c) A sustainable agricultural practice that involves co-locating solar panels with crop cultivation, allowing both energy generation and crop growth in the same area.
- d) A system that pairs rooftop solar installations with urban gardens, focusing on green energy generation and urban food security initiatives.

Q.42) Consider the following statements regarding the Commission for Air Quality Management (CAQM):

1. Central Pollution Control Board (CPCB) has the authority to hear cases related to CAQM.
2. The tenure of the Chairperson and members of the CAQM is 3 years or till the age of 70 years, whichever is earlier.
3. Madhya Pradesh is not considered an adjoining area under the CAQM's jurisdiction.

Which of the statement(s) given above is/are correct?

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

Science & Technology

Q.43) Consider the following statements:

1. The Indian Council of Medical Research (ICMR) is the top organization in India for biomedical research.
2. The ICMR has launched the initiative 'Global Excellence Challenge' to encourage Indian scientists to come up with groundbreaking ideas to solve tough health problems.

Which of the statement(s) given above is/are correct?

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

Q.44) Which one of the following best defines Digital Sequence Information (DSI) in the context of biodiversity?

- a) The electronic collection of DNA sequences only, stored in global databases for academic research purposes.
- b) A digital representation of genetic and biochemical data from organisms, used for research and innovation in biodiversity conservation.
- c) A technique used to simulate ecological interactions within a virtual environment for predicting species distribution.
- d) A digital repository system specifically designed to store data on endangered species for conservation purposes.

Q.45) The primary objective of analog space missions is to:

- a) Test actual spacecraft in Earth's orbit
- b) Simulate space exploration conditions on Earth
- c) Train astronauts in zero-gravity environments
- d) Develop new rocket propulsion systems

Q.46) Consider the following pairs:

Military Exercise-----Locations

1. Vajra Prahar-2024----- Idaho, US
2. Garud Shakti-2024----- Rajasthan, India
3. VINBAX-2024----- Visakhapatnam, India

How many of the above pairs are correctly matched?

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

Q.47) The primary objective of the PROBA-3 mission is to:

- a) Study the Earth's atmosphere
- b) Demonstrate precision formation flying in space
- c) Deploy communication satellites
- d) Monitor climate change

Q.48) Which one of the following is the primary advantage of Air-Launched Ballistic Missiles (ALBMs) over Ground-Launched Ballistic Missiles (GLBM)?

- a) Higher accuracy
- b) Lower production cost
- c) Ability to carry heavier warheads
- d) Greater flexibility in launch locations

Q.49) Consider the following statements:

1. Cells use Deoxyribonucleic Acid (DNA) as a blueprint to make messenger RNA (mRNA).
2. DNA editing makes permanent changes to a person's genetic code, while RNA editing makes temporary changes.
3. ADAR (Adenosine Deaminase Acting on RNA) technique is used in RNA editing.

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

Q.50) Consider the following statements:

1. The Satellite Communication (Satcom) is a transformative tool to reach India's remote corners and complement existing telecom infrastructure.
2. Indian Regional Navigation Satellite System (IRNSS) has played a crucial role in revolutionizing the country's telecommunications and broadcasting sectors.

Which of the statement(s) given above is/are correct?

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

Answer Key

1 - (c)	2 - (b)	3 - (c)	4 - (c)	5 - (c)	6 - (b)	7 - (b)	8 - (a)	9 - (d)	10 - (d)
11 - (c)	12 - (b)	13 - (a)	14 - (d)	15 - (b)	16 - (b)	17 - (b)	18 - (b)	19 - (c)	20 - (a)
21 - (b)	22 - (a)	23 - (d)	24 - (a)	25 - (a)	26 - (a)	27 - (d)	28 - (b)	29 - (a)	30 - (a)
31 - (b)	32 - (c)	33 - (b)	34 - (b)	35 - (d)	36 - (c)	37 - (b)	38 - (b)	39 - (c)	40 - (a)
41 - (c)	42 - (c)	43 - (a)	44 - (b)	45 - (b)	46 - (a)	47 - (b)	48 - (d)	49 - (d)	50 - (a)

Answers & Explanations

Art & Culture

1. Correct Answer is (C)

- Statements 1 and 2 are correct. India has recognized 11 languages as classical languages, which is a unique feature not shared by any other country. The Kendriya Hindi Samiti is the highest body responsible for setting guidelines for the promotion and progressive use of the Hindi language in India.

Source: [AIR](#)

2. Correct Answer is (B)

- Statements 1 and 2 are incorrect. The Four Noble Truths are a framework for understanding suffering and how to overcome it, whereas the Middle Path refers to a balanced approach to life, avoiding extremes of indulgence and asceticism. They are related but not the same concept. The Noble Eightfold Path is considered the Middle Path in Buddhism. Karuna in Buddhism refers to compassion, not the cycle of birth, death, and rebirth. The cycle of birth, death, and rebirth is called samsara.

- Statements 3 and 4 are correct. The Middle Path advocates moderation in all aspects of life, including consumption, and promotes living in harmony with nature. Nirvana is the ultimate goal in Buddhism, representing liberation from suffering and the cycle of rebirth.

Source: [The Hindu](#)

Geography

3. Correct Answer is (C)

- Statement 1 is incorrect. Moraine is not a type of ice but rather the collection of debris (like rocks and soil) that glaciers gather and deposit as they move. Moraine includes materials that are left behind after a glacier recedes, forming various types of landforms, such as lateral and terminal moraines.
- Statements 2, 3 and 4 are correct. As glaciers melt and retreat, the depressions they leave can fill with water, creating glacial lakes. These lakes are often dammed by the moraines left at the glacier's edge. Pangong Tso is a high-altitude glacial lake located in the disputed area between India's Ladakh region and China. Glacial lakes act as hydrological buffers, meaning they regulate or interrupt the flow of water from melting glaciers.

Source: [The Hindu](#)

4. Correct Answer is (C)

- The "Ring of Fire" is a vast, horseshoe-shaped area in the Pacific Ocean known for its high seismic activity, including earthquakes and volcanic eruptions. The Ring of Fire contains about 75% of the world's active and dormant volcanoes and about 90% of the world's earthquakes occur along the Ring of Fire. The Ring of Fire primarily involves the Pacific Plate and other plates such as the North American Plate, Australian Plate, and others around the Pacific Ocean. The African Plate is not part of this region's tectonic interactions.

Source: [AIR](#)

5. Correct Answer is (C)

- Statements 1 and 3 are correct. The Sun, like the Earth, rotates about its own axis. However, the Sun's rotation is more complex because it is made of plasma (a hot, ionized gas), and different parts of the Sun rotate at different speeds. This is known as differential rotation. For example, the Sun's equator rotates faster (about 25 days) than its poles (about 35 days).
- Statement 2 is incorrect. The Sun's rotation period is much longer than one day. At the equator, it takes about 25 days to complete one full rotation, and at the poles, it takes about 35 days.

Source: [The Hindu](#)

6. Correct Answer is (B)

- Statement 1 is correct. Silver iodide is one of the most commonly used chemicals for cloud seeding, along with potassium iodide and dry ice (solid carbon dioxide).
- Statements 2 and 3 are incorrect. Cloud seeding targets cumulus clouds, which are more conducive to precipitation. Stratus clouds are usually low-lying and less likely to produce significant rainfall through cloud seeding. Cloud seeding is a weather modification technique aimed at inducing precipitation, mitigating hail, or dispersing fog. It has no connection to preventing earthquakes or stabilizing atmospheric pressure.

Source: [DD News](#)

7. Correct Answer is (B)

- Statement 1 is incorrect. A warmer atmosphere holds more moisture and releases it as heavy rain.
- Statement 2 is correct. Changes in the jet stream—the fast-moving air currents high in the atmosphere—can lead to "stuck" weather patterns, causing prolonged storms or heatwaves, which are examples of extreme weather.

Source: [The Hindu](#)

8. Correct Answer is (A)

- Statement I is correct. Removing the bran and germ (polishing) extends the shelf life of millets.
- Statement-II is also correct. Millet bran is rich in fats, and not removing it might reduce shelf life, as it could spoil faster. However, when the bran is removed from millets, it reduces their nutritional value. Important nutrients like protein, fiber, fat, minerals, and phytates are lost, while carbohydrates increase. This reduces the health benefits of eating millets.
- Hence, the Statement-II correctly explains Statement-I.

Source: [The Hindu](#)

9. Correct Answer is (D)

- Population momentum refers to the phenomenon where a population continues to grow even after a decline in fertility rates, primarily because a large proportion of the population is young and entering reproductive age. This momentum leads to sustained population growth despite the lower birth rates, due to the existing demographic structure.

Source: [The Hindu](#)

10. Correct Answer is (D)

- The Kishanganga River, known as the Neelum River in Pakistan, is a tributary of the Jhelum River, flowing through Jammu and Kashmir before merging with the Jhelum in Pakistan-administered Kashmir.

Source: [The Hindu](#)

Polity

11. Correct Answer is (C)

- **Recognition as an official language of India:** Languages included in the Eighth Schedule are recognized as official languages of India, providing them with a legal status for use in government communication and documentation.
- **Use in Competitive Examinations:** Languages listed in the Eighth Schedule can be used in competitive examinations conducted by the Union Public Service Commission (UPSC) and other government bodies, allowing candidates to take exams in their native languages.
- **Cultural Preservation:** The inclusion of a language in the Eighth Schedule helps promote and preserve the linguistic and cultural heritage of that language, as it receives government support for its development and use.

Source: [The Hindu](#)

12. Correct Answer is (B)

- Statement 1 is incorrect. The Kesavananda Bharati case (1973) is significant for establishing the Basic Structure Doctrine, which limits Parliament's power to amend the Constitution, ensuring that amendments do not alter its fundamental structure. However, it did not introduce a requirement for Parliament to obtain the President's approval for Constitutional amendments.
- Statement 2 is correct. The Basic Structure doctrine applies to Constitutional amendments, preventing Parliament from altering the fundamental framework of the Constitution. It does not apply to ordinary laws passed by the legislature, which can be challenged on other constitutional grounds but not for violating the Basic Structure.

Source: [The Hindu](#)

13. Correct Answer is (A)

- Statement 1 is correct. The right to life under Article 21 of the Indian Constitution has been interpreted by courts to include not only the right to live with dignity but also the right to die with dignity. This extends to ensuring respectful treatment of individuals even after death.
- Statement 2 is incorrect. While Section 33(1) of the Aadhaar Act allows for the disclosure of certain information based on a court order, core biometric information (such as fingerprints and iris scans) is specifically protected and cannot be disclosed for any reason, even with a court order.

Source: [The Hindu](#)

14. Correct Answer is (D)

- Statement I is incorrect. The Supreme Court, in its recent ruling, clarified that not all private properties can be taken over by the state under Article 39(b). Only certain private resources that meet specific criteria as "material resources of the community" can be considered for acquisition, and this does not give the state blanket authority to acquire all private property for the common good.
- Statement II is correct. Article 39(b) is part of the Directive Principles of State Policy and mandates that the state should direct its policy toward ensuring that "material resources of the community" are distributed to best serve public welfare.

Source: [DD News](#)

15. Correct Answer is (B)

- Statement 1 is incorrect. The Constitution of India defines the Anglo-Indian community in Article 366(2). It states that an Anglo-Indian is a person whose father or any male progenitor in the male line is or was of European descent but who is domiciled in India and born within Indian territory to parents habitually resident there.
- Statement 2 is correct. The provision for nominating two Anglo-Indians to the Lok Sabha was abolished by the 104th Constitutional Amendment Act, 2019, which came into effect in January 2020.

Source: [The Hindu](#)

16. Correct Answer is (B)

- Statement 1 is incorrect. The NCRB is not involved in criminal investigations, including high-profile cases. Its primary role is to collect, analyze, and maintain crime data at the national level for law enforcement agencies.
- Statements 2 and 3 are correct. The NCRB operates under the Ministry of Home Affairs (MHA), Government of India. The NCRB publishes several reports, including Prison Statistics India, which provides detailed data on prison populations and related issues.

Source: [The Hindu](#)

17. Correct Answer is (B)

- Statements 1 and 3 are correct. Article 370 was part of Part XXI of the Indian Constitution, which deals with "Temporary, Transitional and Special Provisions" for various states, including Jammu and Kashmir. Article 35A empowered the Jammu and Kashmir legislature to define "permanent residents" and grant them special rights and privileges.
- Statement 2 is incorrect. Under Article 370, the central government's legislative authority in Jammu and Kashmir was restricted to specific areas such as defense, foreign affairs, and communications, as per the Instrument of Accession. For other matters, including education, the central government needed the state's concurrence.

Source: [The Hindu](#)

18. Correct Answer is (B)

- Statement 1 is incorrect. NCLAT decisions cannot be appealed to the High Court. Instead, they can be directly appealed to the Supreme Court on points of law (legal issues) as per Section 62 of the Insolvency and Bankruptcy Code (IBC).
- Statement 2 is correct. The Insolvency and Bankruptcy Board of India (IBBI) has regulatory oversight over insolvency professionals, insolvency professional agencies, and insolvency professional entities under the Insolvency and Bankruptcy Code, 2016.

Source: [The Hindu](#)

19. Correct Answer is (C)

- In the context of the Supreme Court recent judgment, "rules of the game" refers to the criteria and procedures that govern the selection and appointment process for public service jobs. These rules are set at the beginning of the recruitment process and must remain consistent throughout. Once

the recruitment process has started (i.e., once an advertisement for applications is issued), these rules cannot be changed midway through the process. The only time changes can be made is if existing laws or rules allow such changes or the job advertisement specifically mentions that changes may occur, as long as these changes are not against existing rules.

Source: [The Hindu](#)

20. Correct Answer is (A)

- Statement 1 is correct. Article 28(3) states that no person attending an educational institution that receives aid from the State should be required to take part in any religious instruction or worship. This provision aims to maintain secular education in publicly funded institutions, including those operated by religious minorities.
- Statements 2 and 3 are incorrect. Article 23 of the Indian Constitution deals with the prohibition of traffic in human beings and forced labour. Religious instruction is addressed under Articles 25-28, which pertain to the right to freedom of religion. The Supreme Court has clarified that while minority institutions have certain rights under Article 30, the state can regulate them to ensure educational standards and student welfare. The state can intervene in areas like staff appointments, academic standards, and qualifications for admission, especially if these institutions receive government aid.

Source: [The Hindu](#)

Acts & Policies

21. Correct Answer is (B)

- Statements 1 and 2 are correct. The CRZ 2019 rules are designed to promote sustainable development in coastal regions while considering environmental risks like climate change, rising sea levels, and natural hazards such as tsunamis and floods. The CRZ 2019 rules allow for the establishment of pollution treatment facilities in certain areas (such as CRZ-I B) to address pollution in coastal zones, with necessary safeguards.
- Statement 3 is incorrect. The CRZ 2019 rules reduced the No Development Zone (NDZ) boundary in certain areas. For example, in densely populated rural areas (CRZ-III A), the NDZ was reduced from 200 meters to 50 meters from the High Tide Line (HTL). Additionally, for islands and backwater regions, a smaller NDZ of 20 meters was introduced due to space limitations.

Source: [The Hindu](#)

22. Correct Answer is (A)

- Statement 1 is correct. The Namo Drone Didi Scheme is a part of the Deendayal Antyodaya Yojana – National Rural Livelihoods Mission (DAY-NRLM), aimed at empowering Women Self Help Groups (SHGs) by providing them with drones for agricultural purposes. The scheme will be overseen at the central level by an Empowered Committee. This scheme is managed by the Ministry of Agriculture and Farmers Welfare.
- Statement 2 is incorrect. The primary objective of the scheme is to enhance agricultural efficiency by using drones for the application of liquid fertilizers and pesticides.

Source: [AIR](#)

23. Correct Answer is (D)

- Statements 1 and 2 are incorrect. The Sagarmala Parikrama refers to a specific autonomous vessel voyage undertaken by Sagar Defence Engineering with support from the Indian Navy, showcasing India's expertise in unmanned maritime technology for national security purposes. The Sagarmala Programme focuses on port-led development, improving logistics, and enhancing port infrastructure, but Sagarmala Parikrama is a different initiative centered on autonomous maritime technology. The project was supported by defence organizations such as the Indian Navy's Naval Innovation and Indigenisation Organisation (NIIO), Technology Development Acceleration Cell (TDAC), and Innovations for Defence Excellence (iDEX) under the Defence Innovation Organisation (DIO).

Source: [The Hindu](#)

24. Correct Answer is (A)

- Statements 1 and 2 are correct. The PM-Vidyalaxmi Scheme offers collateral-free and guarantor-free loans to students who secure admission in Quality Higher Education Institutions (QHEIs), which are institutions ranked under the National Institutional Ranking Framework (NIRF) or governed by central government bodies. It applies to both government and private institutions. The scheme applies to students admitted to institutions ranked within the top 100 in overall, category-specific, or domain-specific NIRF rankings, as well as state government institutions ranked between 101-200 and all central government-run institutions.
- Statement 3 is incorrect. The scheme does not give preference based on entrance exam marks. Instead, it gives priority to students from government institutions and those pursuing technical or professional courses.

Source: [The Hindu](#)

International Relations/Organizations

25. Correct Answer is (A)

- Statement 1 is correct. The Asian Buddhist Summit is designed to bring together Buddhist leaders, scholars, and practitioners from different traditions across Asia to promote dialogue, understanding, and address contemporary challenges faced by the Buddhist community. The Government of India, along with the International Buddhist Confederation, is organizing the first Asian Buddhist Summit in Delhi. The theme of the summit is "Role of Buddha Dhamma in strengthening Asia."
- Statement 2 is incorrect. The summit is a manifestation of India's Act East Policy. The Act East Policy focuses on strengthening ties with Southeast and East Asian countries through collective, inclusive, and spiritual development, with Buddha Dhamma as a guiding principle.

Source: [The Hindu](#)

26. Correct Answer is (A)

- Statement 1 is correct. The Asset Recovery Inter-Agency Network-Asia Pacific (ARIN-AP) is an informal network of law enforcement and judicial experts focused on asset tracing, freezing, and confiscation to combat the proceeds of crime in the Asia-Pacific region. It is designed to facilitate the exchange of information on individuals, companies, and assets internationally, with the goal of recovering proceeds from criminal activities.
- Statements 2 and 3 are incorrect. The Secretariat of ARIN-AP is located in the Supreme Prosecutors' Office of South Korea. ARIN-AP is modelled after CARIN (Camden Asset Recovery Inter-Agency Network). India, through its Enforcement Directorate (ED), has recently been included in the steering committee of the Asset Recovery Inter-Agency Network-Asia Pacific (ARIN-AP).

Source: [The Hindu](#)

27. Correct Answer is (D)

- The Sendai Framework for Disaster Risk Reduction focuses on reducing disaster risks and minimizing losses in lives, livelihoods, health, and assets (economic, social, cultural, environmental) due to both natural and man-made hazards. It emphasizes disaster preparedness, governance, and resilience-building to mitigate the impact of disasters.

Source: [The Hindu](#)

28. Correct Answer is (B)

- Statements 1 and 3 are correct. The Governing Body of the ILO acts as its executive body, taking decisions on policy, setting the agenda for the International Labour Conference, adopting the draft Programme and Budget, and electing the Director-General. The ILO is a specialized agency of the United Nations, dedicated to improving labour conditions and living standards worldwide.
- Statement 2 is incorrect. The International Labour Organization (ILO) is unique among United Nations agencies due to its tripartite structure. This structure involves representation from three groups: governments, employers, and workers.

Source: [AIR](#)

29. Correct Answer is (A)

- Statements 1 and 3 are incorrect. OPEC+ is not led by the United States. It is a coalition of OPEC members and other oil-producing countries, including Russia, but the U.S. is not part of OPEC or OPEC+. Generally, when OPEC+ cuts oil production, it leads to a decrease in supply, which tends to increase oil prices rather than decrease them.
- Statement 2 is correct. OPEC+ includes both OPEC members and non-OPEC oil-producing countries such as Russia, Mexico, and Kazakhstan.

Source: [The Hindu](#)

30. Correct Answer is (A)

- Statements 1 and 2 are correct. The Quad is not a formal military alliance like NATO and does not have a mutual defence agreement between its members. While it enhances security cooperation, it does not obligate members to defend each other in case of an attack. One of the goals of the Quad is to offer alternative financing options for infrastructure and development projects in the Indo-Pacific region, as a counter to China's Belt and Road Initiative, which has been criticized for creating debt traps.
- Statement 3 is incorrect. While the Quad includes economically significant countries (the U.S., Japan, India, and Australia), it is primarily viewed as a strategic and security grouping rather than an economic coalition. Further, the Quad is often described as a coalition of maritime democracies.

Source: [The Hindu](#)

31. Correct Answer is (B)

- Statements 1 and 3 are correct. The International Solar Alliance (ISA) works with governments globally to improve energy access and security, and promotes solar power as a sustainable way to transition to a carbon-neutral future. The World Bank has partnered with ISA to provide technical expertise and financing for solar projects, including initiatives like the MIGA-ISA Solar Facility, which aims to expand global renewable energy access.
- Statement 2 is incorrect. While India is a founding member and major contributor to the ISA, it is not the largest consumer of solar energy within the alliance. Instead, the ISA focuses on supporting solar deployment across member countries, many of which are smaller or emerging economies seeking to increase their solar capabilities.

Source: [AIR](#)

Economy

32. Correct Answer is (C)

- Statements 1 and 3 are correct. Central banks purchase gold for several reasons, including protecting their country's wealth and diversifying their reserves. Gold acts as a hedge against inflation, a long-term store of value, and a portfolio diversifier. It is particularly valuable during times of economic instability because it does not carry default risk and helps reduce reliance on fiat currencies. Gold is typically priced in U.S. dollars, so when the dollar weakens, it becomes cheaper for buyers using other currencies to purchase gold. This increased affordability can drive up demand for gold from international buyers.
- Statement 2 is incorrect. There is generally a negative correlation between gold prices and interest rates. When interest rates rise, other investments like bonds and savings accounts become more attractive because they offer a yield, while gold does not. As a result, gold tends to be less appealing when interest rates are high.

Source: [The Hindu](#)

33. Correct Answer is (B)

- Statement 1 is incorrect. The largest shareholders of ADB are Japan and the United States, each holding 15.571% of shares.
- Statement 2 is correct. According to reports from the Asian Development Bank (ADB), India phased out subsidies on petrol and diesel between 2010 and 2014 as part of its broader fossil fuel subsidy

reforms. This process involved gradually removing subsidies, adjusting retail prices, and increasing taxes on these fuels. As a result, India no longer provides subsidies on petrol and diesel. However, while subsidies on petrol and diesel have been eliminated, subsidies on liquefied petroleum gas (LPG) have grown, particularly to support rural areas.

Source: [The Hindu](#)

34. Correct Answer is (B)

- Special Economic Zones (SEZs) in India are primarily associated with manufacturing and export-oriented industries. SEZs offer incentives such as tax exemptions, simplified customs procedures, and infrastructure support to boost industrial activity, particularly in manufacturing sectors.

Source: [The Hindu](#)

35. Correct Answer is (D)

- Statements 1, 2 and 3 are incorrect. The Food Corporation of India (FCI) was established in 1965. FCI's primary objective is to ensure food security through procurement, storage, and distribution of food grains. However, it was not specifically established to fulfil the objectives of NFSA 2013. The system implemented by FCI for its digital transformation and supply chain management is called Anna Darpan. FCI does not provide subsidies to farmers directly. Instead, it acts as a nodal agency for procuring food grains from farmers at the MSP set by the government. The government provides MSP to farmers, and FCI procures food grains at this price.

Source: [AIR](#)

36. Correct Answer is (C)

- Statements 1 and 2 are correct. India is the world's largest importer of vegetable oils, including palm oil. India primarily imports palm oil from Indonesia, Malaysia, and Thailand.

Source: [The Hindu](#)

37. Correct answer is (B)

- Statements 1 and 2 are correct. According to Section 135 of the Companies Act, 2013, companies that meet specific financial criteria (net worth of ₹500 crore or more, turnover of ₹1,000 crore or more, or net profit of ₹5 crore or more) are required to spend on CSR activities. Companies that meet the financial thresholds must spend at least 2% of their average net profits from the preceding three financial years on CSR activities.
- Statements 3 and 4 are incorrect. Agriculture is not explicitly listed as a separate focus area under Schedule VII of the Companies Act for CSR activities. However, CSR can indirectly support agriculture through related areas like environmental sustainability, rural development, and livelihood enhancement projects. The Ministry of Corporate Affairs (MCA) oversees and tracks CSR-related expenditures by eligible companies under the Companies Act, 2013.

Source: [The Hindu](#)

Environment

38. Correct Answer is (B)

- The International Big Cat Alliance (IBCA) is a global initiative launched by India in April 2023 during the 50th anniversary of Project Tiger. It aims to protect and conserve seven major species of big cats: tigers, lions, leopards, snow leopards, cheetahs, jaguars, and pumas, along with their habitats. The IBCA brings together 96 range countries (countries where these big cats are naturally found) and non-range countries interested in big cat conservation, as well as various conservation partners, scientific organizations, and businesses.

Source: [The Hindu](#)

39. Correct Answer is (C)

- The "Cali Fund" was established at the UN's Convention on Biological Diversity (CBD) Summit in Cali, Colombia, as part of the 16th United Nations Biodiversity Conference (COP16). The primary goal of the Cali Fund is to ensure equitable sharing of profits derived from digitally sequenced

genetic data with the communities where the genetic resources originate. This mechanism aligns with one of the key objectives of the CBD, which is to share the benefits arising from the utilization of genetic resources fairly and equitably. The fund aims to allocate at least half of its resources to Indigenous Peoples and local communities, either directly or through government channels.

Source: [The Hindu](#)

40. Correct Answer is (A)

- Statement 1 is correct. The Nagoya Protocol is a supplementary agreement to the Convention on Biological Diversity, focusing on access to genetic resources and the fair and equitable sharing of benefits arising from their utilization.
- Statements 2 and 3 are incorrect. The United States is not a party to the Convention on Biological Diversity. It remains one of the few countries that have not ratified the treaty. While the CBD comes under the umbrella of UNEP, the primary governing body of the CBD is the Conference of Parties (COP), which consists of governments that have ratified the treaty.

Source: [The Hindu](#)

41. Correct Answer is (C)

- Agrivoltaics involves using the same land for both solar energy production and agriculture, allowing farmers to generate renewable energy while continuing to grow crops. The solar panels are usually elevated or spaced in a way that allows sunlight to reach the crops while also generating electricity.

Source: [AIR](#)

42. Correct Answer is (C)

- Statement 1 is incorrect. The National Green Tribunal (NGT) has the authority to hear cases related to the Commission for Air Quality Management (CAQM).
- Statements 2 and 3 are correct. The Chairperson and members of the CAQM have a tenure of three years or until they reach the age of 70, whichever comes first. The "adjoining areas" under CAQM's jurisdiction include Haryana, Punjab, Rajasthan, and Uttar Pradesh, but not Madhya Pradesh.

Source: [The Hindu](#)

Science & Technology

43. Correct Answer is (A)

- Statement 1 is correct. The ICMR is the apex body in India responsible for the formulation, coordination, and promotion of biomedical research. It is one of the oldest and largest medical research organizations in the world.
- Statement 2 is incorrect. The ICMR has launched an initiative called the "First in the World Challenge", to encourage Indian scientists to find innovative solutions to difficult health problems.

Source: [The Hindu](#)

44. Correct Answer is (B)

- DSI refers to the digital representation of genetic sequences (DNA, RNA, proteins) that are used extensively in biodiversity conservation, agriculture, pharmaceuticals, and other fields. It allows researchers to study genetic makeup without needing physical samples and supports advancements in biotechnology and conservation efforts.

Source: [The Hindu](#)

45. Correct Answer is (B)

- Analog space missions are designed to replicate the conditions and challenges of space exploration while remaining on Earth. These missions take place in environments that physically resemble extreme space conditions, such as deserts or high-altitude areas, allowing scientists to test new technologies, study human behaviour, and prepare for future long-duration space flights. The Indian Space Research Organisation (ISRO) has launched India's first analog space mission in Leh, Ladakh. This mission is designed to simulate living conditions in a space habitat, which is important as India plans to send humans to the Moon soon.

Source: [AIR](#)

46. Correct Answer is (A)

- **Vajra Prahar-2024:** The 15th edition of this joint special forces exercise between India and the United States began on November 2, 2024, at the Orchid Combat Training Centre in Idaho, USA. It is scheduled to continue until November 22, 2024.
- **Garud Shakti 24:** This is the ninth edition of the joint special forces exercise between India and Indonesia. It started on November 1, 2024, in Cijantung, Jakarta, Indonesia, and will run until November 12, 2024.
- **VINBAX-2024:** This is the fifth edition of the bilateral military exercise between India and Vietnam. It began on November 4, 2024, in Ambala, India, and involves both the Army and Air Force from both countries. The exercise is scheduled to continue until November 23, 2024.

Source: [AIR](#)

47. Correct Answer is (B)

- The PROBA-3 mission, led by the European Space Agency (ESA), focuses on demonstrating precision formation flying of two spacecraft in space. This involves testing and validating technologies that allow multiple spacecraft to fly in close formation with high precision, which is crucial for future space missions. The mission also includes scientific observations, such as studying the Sun's corona using a coronagraph, but its primary goal is to showcase formation flying techniques.

Source: [AIR](#)

48. Correct Answer is (D)

- The primary advantage of Air-Launched Ballistic Missiles (ALBMs) over ground-launched ballistic missiles is the flexibility in launch locations. Since ALBMs are launched from aircraft, they can be deployed from various directions and positions, making it harder for defensive systems to predict and intercept them. ALBMs are much faster than cruise missiles, making them harder for enemy air defences to intercept. Currently, only Israel, Russia, and China deploy ALBM.

Source: [DD News](#)

49. Correct Answer is (D)

- Statements 1, 2 and 3 are correct. Cells use DNA as a template to synthesize mRNA in a process called transcription. The mRNA then carries the genetic instructions from DNA to produce proteins. DNA editing results in permanent changes to the genome, while RNA editing is temporary, allowing the effects to fade over time. The ADAR enzyme is used in RNA editing by converting adenosine in mRNA to inosine, which helps correct errors in mRNA sequences.

Source: [The Hindu](#)

50. Correct Answer is (A)

- Statement 1 is correct. Satellite communication (Satcom) is recognized as a transformative tool for reaching remote areas in India and complementing existing telecom infrastructure, especially where terrestrial networks fall short. The Telecommunications Act of 2023 introduced the "one nation, one authorization" framework, providing a unified structure for satellite telecom providers to operate nationwide. Satcom is used for a wide range of applications in India, such as Tele-education, Tele-medicine, Village Resource Centres (VRCs), and Disaster Management.
- Statement 2 is incorrect. The Indian Regional Navigation Satellite System (IRNSS), also known as NavIC, is primarily a navigation satellite system designed to provide accurate positioning and timing information for various applications such as transportation, disaster management, and defence. Satellite communication systems like INSAT and GSAT have revolutionized telecommunications or broadcasting sectors.

Source: [AIR](#)