

# WEEKLY QUIZ

**DATE : (27<sup>th</sup> Oct – 2<sup>nd</sup> Nov )**

- 1) The National Biodiversity Authority (NBA), established under the Biological Diversity Act, 2002, operates under which ministry?
  - (a) Ministry of Agriculture and Farmers Welfare
  - (b) Ministry of Environment, Forests and Climate Change
  - (c) Ministry of Science and Technology
  - (d) Ministry of Rural Development
- 2) Which of the following best describes dark matter?
  - (a) A type of antimatter that destroys ordinary matter upon contact, releasing gamma rays.
  - (b) The invisible glue that holds the universe together, forming most of a galaxy's mass.
  - (c) A form of high-energy radiation emitted during the formation of stars and galaxies.
  - (d) The ionized gas and dust that fills the interstellar medium and emits visible light.
- 3) Prof. Jayant Vishnu Narlikar, who was awarded the Vigyan Ratna (VR) posthumously, is known for:
  - (a) Proposing the germ theory of disease
  - (b) Co-developing the Hoyle–Narlikar theory of gravity
  - (c) Developing the polio vaccine
  - (d) Discovering the electron
- 4) Which of the following countries was NOT an original member of ASEAN at its establishment in 1967?
  - (a) Indonesia
  - (b) Timor Leste
  - (c) Thailand
  - (d) Malaysia
- 5) The Subansiri Lower Hydroelectric Project is located along the border of which two Indian states?
  - (a) Assam and Tripura
  - (b) Arunachal Pradesh and Assam
  - (c) Assam and Nagaland
  - (d) Arunachal Pradesh and Nagaland
- 6) Consider the following statements regarding the Western Ghats:
  1. The Western Ghats are recognized as one of the world's eight 'hottest biodiversity hotspots' and are designated as a UNESCO World Heritage Site.
  2. The Western Ghats influence the Indian monsoon pattern by acting as a key barrier to rain-laden winds from the southwest.
  3. The Western Ghats, along with Assam's Manas National Park and West Bengal's Sundarbans National Park, are categorised as being of "Significant Concern" in the IUCN World Heritage Outlook.Which of the statements given above is/are correct?
  - (a) I and II only
  - (b) II and III only
  - (c) I, II and III
  - (d) I and III only
- 7) Consider the following statements regarding India's Medical Technology (MedTech) sector:
  1. India's Medical Technology sector is expected to grow to 30 billion US dollars by 2030.
  2. India is the largest exporter of medical devices in Asia.
  3. The Medical Technology Assessment and Holistic Advancement (MAHA)-MedTech Mission provides milestone-linked funding up to 50 crore rupees in exceptional cases.Which of the above statements are correct?
  - (a) I and II only
  - (b) I, II and III

- (c) I and III only
- (d) III only

**8)** Consider the following statements regarding the UN Convention against Cybercrime:

1. It is the first global treaty to criminalize both cyber-dependent and cyber-enabled offences.
2. It establishes a global standard for the collection and use of electronic evidence in all serious offences.
3. The convention is the first to recognize non-consensual dissemination of intimate images as an offence.

Which of the statements given above is/are correct?

- (a) I and II only
- (b) I and III only
- (c) I, II and III
- (d) II and III only

**9)** Consider the following statements about Indian coffee:

1. India is the second-largest coffee producer globally.
2. About 70% of Indian coffee production is exported.
3. Coffee in India is generally cultivated in deep, fertile, slightly acidic soils.
4. Major coffee growing regions include Chikmagalur, Coorg and Hassan in Karnataka.

Which of the statements given above is/are correct?

- (a) I only
- (b) I, III and IV only
- (c) II, III and IV only
- (d) I, II and IV only

**10)** Consider the following statements regarding the National Biodiversity Authority (NBA):

1. The NBA is headquartered in Chennai, Tamil Nadu.
2. State Biodiversity Boards and Biodiversity Management Committees complement the NBA's functions.
3. It was established in 2003 under the Environment (Protection) Act, 1986.
4. It performs both regulatory and advisory functions related to biological resources.

Which of the statements given above is/are correct?

- (a) II and IV only
- (b) III and IV only
- (c) I, II and IV only
- (d) I, II and III only

**11)** Which of the following is the correct definition of Floor Space Index (FSI), also known as Floor Area Ratio (FAR), as used in the context of Indian cities?

- (a) Ratio of population density to city area
- (b) Percentage of green cover to total urban area
- (c) Total number of housing units per square kilometer
- (d) Ratio of a building's total built-up area to its plot area

**12)** The Gyan Bharatam Mission, launched in 2025, seeks to primarily:

- (a) Create a national digital repository for school and higher education content
- (b) Digitize and catalog India's manuscript heritage
- (c) Promote AI-driven translation of Indian knowledge texts into regional languages
- (d) Create a unified digital platform for preserving traditional medicine knowledge systems

**13)** Panda Diplomacy, as practiced by China, refers to:

- (a) Loaning or gifting giant pandas to other countries as a symbol of goodwill
- (b) Gifting indigenous musical instruments to strengthen cultural ties
- (c) Sending Chinese scientists abroad for research collaboration
- (d) Exporting rare medicinal herbs to promote traditional medicine

**14)** Consider the following statements regarding the Electronics Component Manufacturing Scheme (ECMS):

1. Under the Electronics Component Manufacturing Scheme (ECMS), the Capital Expenditure (Capex) Incentive is available for a tenure of 5 years.
2. The scheme aims to attract both domestic and global investment to build a strong, self-sustaining ecosystem for electronics component manufacturing in India.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only

- (c) Both I and II
- (d) Neither I nor II

**15)** Consider the following statements regarding Coal Gasification in India:

1. Carbon Capture, Utilisation, and Storage (CCUS) is integrated with coal gasification to enhance environmental performance.
2. Most global coal gasification technologies require modification to suit India's high-ash coal characteristics.
3. Coal gasification involves the partial oxidation of coal at high temperature and pressure, producing syngas — a mixture of carbon monoxide, hydrogen, carbon dioxide, and methane.

Which of the statements given above are correct?

- (a) I, II and III
- (b) II and III only
- (c) I and III only
- (d) I and II only

**16)** Consider the following statements about the Burevestnik missile:

1. It is part of Russia's new-generation nuclear arsenal.
2. It is a short-range ballistic missile powered by solid fuel.
3. It is also known as SSC-X-9 Skyfall.

Which of the statements given above are correct?

- (a) II and III only
- (b) I and III only
- (c) I, II and III
- (d) I only

**17)** With reference to stablecoins, which of the following statements is/are correct?

1. Bitcoin is the most prominent example of a stablecoin.
2. They are blockchain-based digital currencies pegged to fiat currencies to maintain stable value.
3. Stablecoins enable faster, low-cost, and secure digital transactions.

- (a) II and III only
- (b) I and III only
- (c) I, II and III
- (d) II only

**18)** Consider the following statements regarding Loktak Lake and Keibul Lamjao National Park:

1. Loktak Lake has been listed under the Montreux Record since 1993.
2. Loktak Lake is the largest freshwater lake in Northeast India and is famous for its floating phumdis.
3. Keibul Lamjao National Park is the only floating national park in the world.

Which of the statements given above is/are correct?

- (a) I, II and III
- (b) I and II only
- (c) I and III only
- (d) II and III only

**19)** Consider the following statements regarding the Western Indian Ocean Region (WIOR):

**Assertion (A):** The Western Indian Ocean Region has gained rising geopolitical importance as it connects major energy and trade routes linking Asia, Africa, and the Middle East.

**Reason (R):** The region hosts critical chokepoints such as the Strait of Hormuz, which carries about 20% of global oil shipments, and the Bab-el-Mandeb Strait, a key gateway for Asia-Europe trade.

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 explains Statement-I
- (b) Both Statement-I and Statement-II are correct, but Statement-II does not explain Statement-I
- (c) Statement-I is correct, but Statement-II is incorrect
- (d) Statement-I is incorrect, but Statement-II is correct

**20)** Consider the following statements regarding the UAE Consensus adopted at COP28:

**Assertion (A):** The UAE Consensus, adopted at COP28, reinforces the aim to keep global warming within 1.5°C and achieve net zero emissions by 2050.

**Reason (R):** The UAE Consensus calls for a just and balanced transition away from fossil fuels.

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 explains Statement-I



- (b) Both Statement-I and Statement-II are correct, but Statement-II does not explain Statement-I
- (c) Statement-I is correct, but Statement-II is incorrect
- (d) Statement-I is incorrect, but Statement-II is correct

**21)** Which one of the following best exemplifies the principle of "self-rule with shared-rule" in India's federal structure?

- (a) The President's power to dissolve State Legislative Assemblies
- (b) Exclusive legislative powers of the Union Parliament under List I
- (c) The GST Council providing a platform for both Union and State governments
- (d) The appointment of Governors by the President without State consultation

**22)** Alfven waves, recently confirmed in the Sun's corona, are significant because they:

- (a) Generate intense magnetic eruptions that lead to major solar flares and storms.
- (b) Create oscillations in plasma that influence the motion of charged solar particles.
- (c) Carry energy from the Sun's surface into the corona, contributing to its high temperatures.
- (d) Regulate magnetic field lines, affecting solar wind patterns and coronal dynamics.

**23)** Which of the following countries does NOT border the Baltic Sea?

- (a) Poland
- (b) Switzerland
- (c) Latvia
- (d) Germany

**24)** Consider the following statements regarding nuclear non-proliferation treaties:

1. The Treaty on the Non-Proliferation of Nuclear Weapons (NPT) entered into force in 1970 and has 191 parties, excluding India, Israel, Pakistan, and South Sudan.
2. The Comprehensive Nuclear Test Ban Treaty (CTBT) prohibits all nuclear explosions for any purpose and has not been signed by India, Bhutan, and Pakistan.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

**25)** Consider the following statements with reference to the UNESCO Creative Cities Network (UCCN):

1. The UCCN was established in 2014 to promote creative industries in cities worldwide.
2. Lucknow is the first Indian city to be named Creative City of Gastronomy.
3. The Network covers seven creative fields including Crafts & Folk Art, Design, Film, Gastronomy, Literature, Music, and Media Arts.

Which of the statements given above is/are correct?

- (a) I, II and III
- (b) II and III only
- (c) I and II only
- (d) I and III only

**26)** Consider the following statements regarding the Iberian Lynx:

1. It is listed as 'Endangered' on the IUCN Red List.
2. The Iberian Lynx relies on a mosaic habitat with dense scrub for shelter and open pasture for hunting.
3. It is mainly crepuscular and nocturnal, generally sleeping during the day but can also be active at daytime.

Which of the statements given above is/are correct?

- (a) II and III only
- (b) I and III only
- (c) I, II and III
- (d) I and II only

**27)** Consider the following statements regarding the savings rate in India:

1. The savings rate is calculated as the sum of all government and business investments in a financial year.
2. It represents the portion of Gross Domestic Product saved by households, businesses, and the government.
3. In 2024, India's savings rate was approximately 30.2% of its GDP.

Which of the statements given above is/are correct?

- (a) I only
- (b) II only
- (c) I and III only
- (d) II and III only

28) Consider the following statements regarding the Baltic Sea:

1. It is the world's largest brackish inland water body.
2. The Baltic Sea has higher salinity than the world's oceans due to limited freshwater inflow.
3. The Kiel Canal connects the Baltic Sea to the North Sea.

Which of the statements given above is/are correct?

- (a) II and III only
- (b) I only
- (c) I and II only
- (d) I and III only

29) Consider the following statements regarding the division of powers in the Indian Constitution:

**Assertion (A):** The Indian Constitution provides for a division of powers between the Union and the States through three lists under Schedule VII.

**Reason (R):** Article 3 of the Constitution requires the consent of the states before Parliament can alter their boundaries.

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 explains Statement-I
- (b) Both Statement-I and Statement-II are correct, but Statement-II does not explain Statement-I
- (c) Statement-I is correct, but Statement-II is incorrect
- (d) Statement-I is incorrect, but Statement-II is correct

30) Consider the following statements regarding the Arya Samaj:

**Assertion (A):** Arya Samaj denounced idolatry and ritualistic worship, emphasizing the infallible authority of the Vedas.

**Reason (R):** Arya Samaj advocated the hereditary nature of caste as essential to Hindu society.

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 explains Statement-I
- (b) Both Statement-I and Statement-II are correct, but Statement-II does not explain Statement-I
- (c) Statement-I is correct, but Statement-II is incorrect
- (d) Statement-I is incorrect, but Statement-II is correct

31) Which sector has the highest expenditure share in the current Consumer Price Index (CPI) series in India?

- (a) Housing
- (b) Food and Beverages
- (c) Fuel & Light
- (d) Miscellaneous (education, health, personal care, etc.)

32) The MYGS (Mera Yuva Gram Sabha) initiative, launched to promote participatory local governance, is aligned with which of the following?

- (a) National Rural Health Mission
- (b) National Education Policy 2020
- (c) National Digital Literacy Mission
- (d) National Skill Development Policy

33) Consider the following statements regarding cryptocurrency regulation in India:

1. The Prevention of Money Laundering Act (PMLA) was extended to cover crypto exchanges in India in 2023, mandating Know Your Customer (KYC) procedures.
2. The Supreme Court of India overturned the RBI's 2018 ban on banking support for cryptocurrency, citing a violation of the freedom to trade and business.

Which of the statements given above are correct?

- (a) I only
- (b) II only
- (c) Both I and II
- (d) Neither I nor II

34) Consider the following statements regarding Pasumpon Muthuramalinga Thevar:

1. He was a close associate of Subhas Chandra Bose and supported the Congress in expanding its influence in Tamil Nadu's interior regions.
2. He actively participated in the Temple Entry Movement and the campaign for the repeal of the Criminal Tribes Act.
3. He served as the Chief Minister of Tamil Nadu and was popularly known as the "Netaji of the South."

Which of the statements given above are correct?

- (a) I and III only
- (b) I and II only
- (c) II and III only
- (d) I, II and III

35) Consider the following statements regarding the appointment of the Chief Justice of India (CJI):

1. The Prime Minister advises the President in the matter of CJI appointment after receiving the recommendation.
2. The Union Ministry of Law and Justice seeks the recommendation of the outgoing CJI for the next appointment.
3. The senior-most judge of the Supreme Court is always appointed as the CJI, without exception.

Which of the statements given above are correct?

- (a) I and III only
- (b) I and II only
- (c) I, II and III
- (d) II and III only

36) Consider the following statements regarding secondary sanctions:

1. They serve as force multipliers for primary sanctions.
2. Secondary sanctions penalize only the target state and do not apply to third parties such as foreign companies or governments engaged in transactions with the targeted state.
3. Secondary sanctions prevent third states and economic operators from conducting business as usual with target states.
4. Secondary sanctions have an extraterritorial aspect.

Which of the statements given above are correct?

- (a) II only
- (b) I, III and IV only
- (c) I and III only
- (d) I, II and III only

37) Consider the following statements regarding the regulation of cryptocurrencies in India:

**Assertion (A):** Cryptocurrencies are classified as Virtual Digital Assets under Indian law and are not considered speculative transactions under the Income Tax Act, 1961.

**Reason (R):** The Reserve Bank of India's 2018 notification permanently banned the use and holding of cryptocurrencies in India.

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 explains Statement-I
- (b) Both Statement-I and Statement-II are correct, but Statement-II does not explain Statement-I
- (c) Statement-I is correct, but Statement-II is incorrect
- (d) Statement-I is incorrect, but Statement-II is correct

38) Consider the following statements regarding the G-2 concept in international relations:

**Assertion (A):** The G-2 concept signals a shift towards bipolarity in global affairs.

**Reason (R):** G-2 refers to the US and China acting as co-managers of global stability.

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 explains Statement-I
- (b) Both Statement-I and Statement-II are correct, but Statement-II does not explain Statement-I
- (c) Statement-I is correct, but Statement-II is incorrect
- (d) Statement-I is incorrect, but Statement-II is correct

39) Consider the following statements regarding the Kunming-Montreal Global Biodiversity Framework and related initiatives:

**Assertion (A):** The Kunming Biodiversity Fund (KBF) is a multi-partner trust fund supporting the goals of the Kunming-Montreal Global Biodiversity Framework, especially in developing countries.

**Reason (R):** The Kunming-Montreal Global Biodiversity Framework is a binding framework with legal enforcement mechanisms under the UN Convention on Biological Diversity.

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 explains Statement-I
- (b) Both Statement-I and Statement-II are correct, but Statement-II does not explain Statement-I
- (c) Statement-I is correct, but Statement-II is incorrect
- (d) Statement-I is incorrect, but Statement-II is correct

40) Consider the following pairs regarding ocean-based carbon sequestration techniques:

### Ocean-based Carbon Sequestration Technique

Blue Carbon Sinks

Ocean Fertilization

Ocean Alkalinity Enhancement

### Key Principle

Enhancing saltwater intrusion for aquifer recharge

Promoting phytoplankton growth by adding micronutrients

Adding pulverized minerals to accelerate CO<sub>2</sub> absorption

How many of the above pairs are correctly matched?

- (a) Only one
- (b) Only two



- (c) Only three
- (d) None

- 41)** What does the term "quantum information scrambling" refer to in the context of quantum technologies?
- (a) Encryption of quantum data using entangled qubits and quantum keys to ensure secure transmission across a distributed system
  - (b) Complete loss or irreversible erasure of quantum information from a system due to decoherence or collapse of quantum states
  - (c) Physical reconfiguration or destabilization of quantum processors during computation as a result of excessive entanglement and energy fluctuations
  - (d) Rapid spread of information across a quantum system, making it inaccessible to local measurements
- 42)** Under the WTO's Agreement on Subsidies and Countervailing Measures (SCM Agreement), which of the following is classified as a prohibited subsidy?
- (a) Subsidies granted for exports to developing countries only
  - (b) Subsidies contingent upon the use of domestic over imported goods
  - (c) Subsidies linked to employment generation in rural areas
  - (d) Subsidies solely for technology upgradation
- 43)** According to the Climate Inequality Report 2025, which statement best describes the emission contribution of the top 1% of the global population?
- (a) They are responsible for over 50% of global GHG emissions
  - (b) Their per capita emissions are 75 times higher than those of the bottom 50% by consumption
  - (c) They contribute 10% of emissions from private capital ownership
  - (d) They account for 71% of industrial GHG emissions
- 44)** Consider the following statements regarding India's renewable energy transition and COP26 commitments:
1. India achieved its COP26 target of attaining 50% installed electric power capacity from non-fossil fuel sources by 2030, five years ahead of schedule.
  2. Currently, solar energy constitutes the largest share of India's renewable energy mix.
- Which of the statements given above is/are correct?
- (a) I only
  - (b) II only
  - (c) Both I and II
  - (d) Neither I nor II
- 45)** Consider the following statements regarding major schemes for agricultural value addition and price stabilization in India:
1. The Integrated Cold Chain and Value Addition Infrastructure (ICCVAI) Scheme is implemented by the Ministry of Agriculture and Farmers Welfare.
  2. Operation Greens Scheme covers only fruits and vegetables for price stabilization.
- Which of the statements given above is/are correct?
- (a) I only
  - (b) II only
  - (c) Both I and II
  - (d) Neither I nor II
- 46)** Which of the following statements about the services sector in India is correct?
- (a) It is the largest employer in India.
  - (b) Its employment growth has outpaced that of the construction sector over the last six years.
  - (c) In 2024-25, it contributed nearly 55% of Gross Value Added (GVA).
  - (d) It accounted for more than two-thirds of total employment in 2023-24.
- 47)** Consider the following statements regarding the Forest Rights Act (FRA), 2006:
1. No member of a forest-dwelling Scheduled Tribe or other traditional forest dweller shall be evicted from forest land under his occupation till the recognition and verification procedure under the Act is complete.
  2. The Act provides statutory safeguards against forced eviction of forest dwellers from forest land.
  3. The provisions of the Act extend to National Parks, Wildlife Sanctuaries, and Tiger Reserves.
- Which of the statements given above are correct?
- (a) I and II only
  - (b) I, II and III
  - (c) I only
  - (d) II and III only
- 48)** Consider the following statements regarding the International Solar Alliance (ISA):

1. The headquarters of the International Solar Alliance is located in Gurugram, India.
2. Only countries lying entirely between the Tropics of Cancer and Capricorn can become members of the International Solar Alliance.
3. The International Solar Alliance was founded by India and France in 2015 at COP21 in Paris.

Which of the statements given above are correct?

- (a) I, II and III
- (b) I and II only
- (c) II and III only
- (d) I and III only

**49)** Consider the following statements regarding soil health and fertilizer use in India:

1. The Soil Health Card Scheme was merged into the Rashtriya Krishi Vikas Yojana Cafeteria scheme in 2022–23.
2. Fertilizer consumption in India is heavily skewed towards urea, which accounts for about 68% of total fertilizer consumption in 2023–24.
3. Over 40% of Indian districts at very high climate risk also show low organic carbon levels.
4. The Soil Health Card Scheme measures only macronutrient indicators such as Nitrogen, Phosphorus, Potassium, and Sulphur.

Which of the statements given above are correct?

- (a) II and IV only
- (b) I, II, III and IV
- (c) I, II and III only
- (d) I and II only

**50)** Consider the following statements regarding the East Asia Summit:

1. The East Asia Summit was established in 2005.
2. The first East Asia Summit was held in Kuala Lumpur, Malaysia.
3. Its members include ASEAN Member States, Australia, China, India, Japan, New Zealand, Republic of Korea, United States, and Russia.

Which of the statements given above is/are correct?

- (a) I and II only
- (b) I, II and III
- (c) II and III only
- (d) I and III only