

WEEKLY QUIZ

DATE : 28th Oct- 3rd Nov

1) Consider the following statements about the Konark Sun Temple:

1. The temple was constructed in the 13th century under the rule of King Narasimhadeva I of the Eastern Ganga Dynasty.
2. It is designed as a colossal chariot with seven wheels on each side, symbolizing the Sun God's chariot.
3. The temple was primarily constructed using Khondalite stones.

Which of the above statements are correct?

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

2) Regarding the symbolism of the Konark Wheel, consider the following statements:

1. The Konark wheel has 12 spokes, representing the months of the year.
2. It symbolizes the passage of time and serves as a sundial.
3. The Konark wheel is included as a design on India's national flag.

Which of the above statements are correct?

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

3) Consider the following statements regarding Pradhan Mantri MUDRA Yojana (PMMY):

1. The scheme aims to provide loans to small-scale enterprises in manufacturing, trading, and services.
2. Tarun loans are capped at ₹5 lakh. MUDRA cards enable flexible working capital for small entrepreneurs.

Which of the above statements are correct?

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

4) Consider the following statements about the newly launched Fast Patrol Vessels (FPVs) 'Adamyra' and 'Akshar':

1. These FPVs are built entirely with imported components to ensure superior quality and durability.
2. The primary purpose of these vessels is to conduct high-seas patrols beyond the Indian EEZ.
3. Their top speed is limited to 10 knots, making them suitable only for short-distance operations.

Which of the above statements is/are correct?

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

5) With regard to the Vessel Communication and Support System, consider the following statements:

1. It uses transponders developed by NSIL for real-time vessel tracking and emergency alerts.
2. The system includes the Nabhmitra Application, which provides real-time updates on weather and sea conditions.

Which of the above statements is/are incorrect?

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

6) Consider the following statements about Dholavira:

1. Dholavira is the largest Indus Valley Civilization site in the subcontinent.
2. The city layout of Dholavira comprises only residential areas without ceremonial or public spaces.
3. Dholavira's water management system includes multiple reservoirs, step wells, and large public baths.
4. The site of Dholavira is located near the confluence of two perennial rivers.

How many of the above statements is/are correct?

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

7) Consider the following statements regarding the Ayushman Vaya Vandana Card:

1. The scheme provides ₹5 lakh in annual health coverage for seniors aged 70 and above.

2. The scheme was introduced under the Ministry of Finance.
3. Enrollment requires registration through the PM-JAY portal or Ayushman app.

Which of the above statements are correct?

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

8) Regarding the Bandhavgarh Tiger Reserve, consider the following statements:

1. The reserve is situated between the Vindhyan and Satpura ranges.
2. Bamboo forests predominantly cover the region's upper slopes.

Which of the above statements is/are correct?

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

9) Consider the following statements about the Maitri Dwar:

1. It is located at the India-Bangladesh border in the North 24 Parganas district, West Bengal.
2. The gate is used solely for passenger movement.
3. It significantly enhances India-Bangladesh land-based trade.

Which of the above statements are correct?

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

10) Consider the following statements about the Pradhan Mantri Matsya Sampada Yojana:

1. It aims to enhance fish production and double fishermen's income.
2. It includes the Vessel Communication and Support System for fishermen's safety.
3. It exclusively focuses on inland fisheries and aquaculture.

Which of the above statements are correct?

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

11) Consider the following statements about the Tata Advanced Systems Ltd. (TASL)-Airbus facility in Vadodara, Gujarat:

- a) The TASL-Airbus facility solely focuses on producing civil aircraft for global exports.
- b) It marks India's first military aircraft production plant in the private sector, manufacturing the C295 for the Indian Air Force.
- c) This collaboration allows India to import aircraft components for assembly.
- d) The facility exclusively targets maritime patrol and disaster response missions for the Indian Air Force.

12) Consider the following statements about medicinal foods and their health benefits:

1. Turmeric is effective for its anti-inflammatory properties, but high doses can present health risks.
2. Lemon's benefits as an immunity booster vary depending on the cultivar or variety.
3. Ashwagandha is valued in Ayurveda for its impact on mental focus and stress reduction.
4. Giloy is mainly consumed for improving hair health and supporting liver function.

How many of the above statements is/are correct?

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

13) Which of the following statements best captures the objective of the Ayushman Bharat Pradhan Mantri Jan Arogya Yojana (AB PM-JAY)?

- a) To provide universal health coverage for all Indian citizens without income-based limits.
- b) To replace existing healthcare schemes for all government employees with a comprehensive plan for preventive care.
- c) To cover only primary healthcare services with no focus on secondary or tertiary care.
- d) To offer health insurance coverage up to ₹5 lakhs annually per family for secondary and tertiary hospital care to vulnerable families.

14) Consider the following statements regarding the Mission for Integrated Development of Horticulture (MIDH):

1. MIDH is a fully Central Sector Scheme (CSS), funded exclusively by the central government without state contributions.
2. The Ministry of Rural Development is responsible for implementing MIDH across states.
3. The Coconut Development Board under MIDH exclusively operates in southern Indian states due to the favorable climate.

How many of the above statements is/are correct?

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

15) Which of the following statements is correct regarding the Indian Coast Guard's new Fast Patrol Vessels (FPVs) 'Adamyra' and 'Akshar'?

- a) They are entirely manufactured with imported components to enhance quality.
- b) These vessels have a maximum speed of 35 knots, enhancing rapid response capability.
- c) They are equipped with Controllable Pitch Propeller-based propulsion, aiding maneuverability.
- d) They have been manufactured by Hindustan Shipyard Ltd. to support fisheries protection.

16) Consider the following statements about hydroponics:

- 1. Hydroponics relies on nutrient-rich soil that is periodically flooded and drained to nourish plants.
- 2. This method is best suited for outdoor environments where ample sunlight can support plant growth.
- 3. Hydroponics allows for greater control over nutrient levels, which can result in higher yields in limited spaces.

How many of the above statements is/are correct?

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

17) Consider the following statements regarding the PR-126 paddy variety:

- 1. PR-126 requires more water than conventional varieties, which has limited its adoption in water-scarce regions.
- 2. It is a short-duration variety, typically maturing in 125 days, which contributes to lower water consumption in paddy cultivation.

3. The Out Turn Ratio (OTR) of PR-126 is higher than other traditional varieties, making it highly preferred by rice millers.

How many of the above statements is/are correct?

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

18) Consider the following statements regarding the structure and operations of the Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO):

- 1. The CTBTO operates under the United Nations Security Council, which oversees its verification activities.
- 2. The Provisional Technical Secretariat (PTS) is responsible for establishing the International Monitoring System to detect nuclear explosions.
- 3. Funding for the CTBTO is derived from voluntary contributions by states that have ratified the Comprehensive Nuclear-Test-Ban Treaty (CTBT).

How many of the above statements is/are correct?

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

19) Which of the following best describes the C-295 aircraft's operational advantage?

- a) It has the capacity to transport up to 50 tonnes of cargo at high altitudes.
- b) It is designed for long-range strategic airlifts with minimal fuel capacity.
- c) It is a versatile tactical airlifter optimized for short take-offs and landing on unprepared

airstrips.

d) It is a single-propulsion jet meant for high-speed, long-haul commercial flights.

20) Match the following Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO) International Monitoring System (IMS) technologies with their respective purposes:

List I (Technology)

A. Seismic

B. Hydroacoustic

C. Infrasound

D. Radionuclide

List II (Purpose)

1. Detects

underwater

nuclear

explosions

2. Detects low-

frequency sounds

from atmospheric

nuclear

explosions

3. Monitors ground

shockwaves from

underground

explosions

4. Confirms nuclear

explosions by

detecting

radioactive

particles

Select the correct answer code:

a) A-2, B-3, C-4, D-1

b) A-3, B-1, C-2, D-4

c) A-1, B-2, C-3, D-4

d) A-1, B-3, C-2, D-4

21) Why are swing states critical in the U.S. presidential elections?

a) They often have no clear party dominance, making them highly competitive.

b) They are the largest states by population and thus have the most electoral votes.

c) Their voting pattern has always favored the incumbent party.

d) Their demographics are similar across each election cycle, reducing uncertainty.

22) Why is Gujarat's Dinosaur Fossil Park in Balasinor considered significant in paleontological studies?

a) It is the only site in India with fossils from the Jurassic period.

b) It is the first site in India to receive a UNESCO geo-heritage tag.

c) It houses fossils of mammals from the Paleocene era.

d) It contains one of the world's largest collections of Late Cretaceous dinosaur eggs.

23) Why are tardigrades often referred to as "extreme survivors" in the biological world?

a) They have a complex reproductive system capable of genetic adaptation in one generation.

b) They can survive in diverse habitats but are restricted to specific temperature zones.

c) They can withstand extreme environmental conditions, including high radiation and temperatures.

d) They have a unique nervous system that enables rapid adaptation to environmental changes.

24) Which of the following is the primary benefit of using electric propulsion in ISRO's Technology Demonstrator Satellite (TDS-1)?

a) Decreases satellite weight by minimizing chemical fuel dependency

b) Reduces communication delays with ground stations

c) Enhances the satellite's data transmission speed

d) Enables satellites to orbit closer to Earth than standard geostationary satellites

25) Which of the following is a primary focus of the G20 Pandemic Fund established under Indonesia's presidency?

- a) To finance the development of COVID-19 vaccines
- b) To enhance pandemic response specifically in high-income countries
- c) To address animal health risks in low- and middle-income countries
- d) To support global health data integration systems

26) Consider the following statements regarding the Digital Arrest Scam:

- 1. Scammers only target individuals with a history of cybercrimes to make the scam seem realistic.
- 2. Video calls are sometimes used by scammers to add credibility to their impersonation.
- 3. Victims are often coerced into providing personal information under the threat of immediate arrest.
- 4. The scam typically involves quoting false legal provisions to pressure victims.

Which of the above statements are correct?

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

27) Consider the following statements about swing states in the U.S. 2024 presidential election:

- 1. Swing states can allocate all their electoral votes to the winning candidate, regardless of the margin of victory.
- 2. Candidates tailor their campaigns in swing states according to specific demographic groups that have substantial influence.

3. Swing states have a stable political inclination and usually vote consistently for one party.

How many of the above statements is/are correct?

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

28) Consider the following statements regarding the Technology Demonstrator Satellite (TDS-1) and ISRO's electric propulsion technology:

- 1. The electric propulsion system in TDS-1 operates by releasing compressed gases directly into space to generate thrust.
- 2. TDS-1's primary purpose is to serve as a communication satellite for geostationary orbit.
- 3. Argon and Nitrogen are used as primary fuels, with chemical reactions creating the necessary propulsion.

Which of the above statements is/are correct?

- a) 1 only
- b) 2 only
- c) 3 only
- d) None of the above

29) Consider the following statements about zoonotic diseases:

- 1. Zoonotic diseases primarily affect domesticated animals rather than wildlife.
- 2. Mosquito-borne diseases are not classified as zoonotic because they do not directly involve animal hosts.
- 3. Climate change has minimal influence on the transmission dynamics of zoonotic diseases.

Which of the above statements is/are correct?

- a) 1 only
- b) 2 only
- c) 3 only
- d) None of the above

30) What is the primary function of the protein TRID1 in the newly discovered tardigrade species *Hypsibius henanensis*?

- a) It enables the organism to survive in extreme temperatures.
- b) It helps repair DNA double-strand breaks caused by radiation.
- c) It increases the organism's resistance to dehydration.
- d) It produces antioxidant pigments to neutralize harmful chemicals.

31) Which of the following statements best describes the purpose of the Abhay Anti-Submarine Warfare Shallow Water Craft?

- a) Designed for high-seas combat and long-range naval operations
- b) Built for air defense support in deep-sea operations
- c) Primarily developed for long-range patrolling in international waters
- d) Focused on low-intensity maritime operations, and mine-laying in coastal waters

32) What is a significant historical connection of the Pampa Valley and Angel Valley regions near the Periyar Tiger Reserve (PTR)?

- a) The regions were established as exclusive wildlife sanctuaries for endangered species.
- b) They were designated as protected areas for indigenous tribes.
- c) They are sites of the "Grow More Food" campaign, supporting post-war veterans in 1947-48.
- d) These valleys were developed as tourism hubs immediately after India's independence.

33) Which of the following best describes the purpose of the Bharatiya Antariksh Station (BAS)?

- a) To support short-duration missions with a focus on scientific research in orbit
- b) To enable continuous human presence in orbit for up to one year
- c) To replace the International Space Station (ISS) for global research
- d) To act as a storage facility for international satellites

34) Consider the following statements about the scope and activities of AICTE:

1. AICTE is responsible for accrediting graduate and postgraduate technical programs across India.
2. AICTE formulates policy guidelines for the establishment of new technical institutions.
3. AICTE sets the curriculum for arts and humanities courses in colleges.

Which of the above statements is/are correct?

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

35) Consider the following statements regarding the properties and industrial importance of coking coal:

1. Coking coal has a low carbon content and is unsuitable for blast furnace operations.
2. It produces by-products like coke oven gas, tar, and ammonia sulphate, which are useful for various industries.
3. India is self-sufficient in coking coal production due to vast domestic reserves.

How many of the above statements is/are correct?

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

36) Consider the following statements about Periyar Tiger Reserve (PTR):

1. The major river flowing through PTR is the Kabini River.
2. Indigenous communities within PTR engage in subsistence agriculture and gather forest resources under strict conservation rules.
3. It contains only non-native plant species brought for research purposes.

How many of the above statements is/are correct?

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

37) What is the primary objective of the Srijan Center for Generative AI launched by IndiaAI and Meta at IIT Jodhpur?

- a) Developing AI models exclusively for commercial use in global markets
- b) Building proprietary AI models to protect India's AI advancements from international sharing
- c) Training young developers to create solutions using open-source AI models for real-world challenges
- d) Providing AI solutions specifically for rural development without research collaboration

38) Consider the following statements regarding the achievements and scope of National Mission for Manuscripts (NMM):

1. The NMM has digitized all manuscript titles in its collection, with full access available online.
2. NMM's conservation efforts cover both preventive and curative measures for manuscript preservation.
3. The NMM represents one of the world's largest collections of manuscripts, encompassing a wide range of languages and themes.

How many of the above statements is/are correct?

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

39) Consider the following statements about the partnerships and research goals of Srijan Center for Generative AI:

1. Srijan collaborates with both national and international institutions to advance Generative AI.
2. The center solely focuses on developing AI models for healthcare applications.
3. The All India Council for Technical Education (AICTE) is a supporting partner for this initiative.

How many of the above statements is/are correct?

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

40) Consider the following statements regarding the Indian Space Research Organisation (ISRO) and the Department of Biotechnology (DBT) bio-experiment agreement:

1. The agreement includes studies on the effects of space radiation on astronaut health.
2. Bio-manufacturing in deep-sea habitats is a key focus of the BioE3 initiative under the agreement.
3. The research aims to explore algae as a nutrient-rich food source and for biofuel production.

How many of the above statements is/are correct?

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

41) Which of the following statements best describes the purpose of the Durgesh Aranya Zoological Park in Himachal Pradesh?

- a) House all native big cat species under one roof.
- b) Be certified by the Indian Green Building Council (IGBC) for sustainable infrastructure.
- c) Operate entirely on renewable energy sources.
- d) Be managed by a community-based conservation group.

42) With reference to the Kanda Express, consider the following statements:

1. The Kanda Express is a special train service dedicated to transporting onions from Nashik to Delhi.
2. The recent shipment is part of the government's price stabilization strategy for onions.
3. The initiative aims to promote the export of onions to neighbouring countries to boost foreign exchange earnings.

Which of the statements given above are correct?

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

43) Which of the following best describes the primary objective of the Aarambh 6.0 initiative?

- a) To provide advanced technological training to senior civil servants.
- b) To enhance governance through public participation and improved feedback systems.
- c) To promote agricultural innovations in rural development.
- d) To streamline financial management in public administration.

44) With reference to BRICS and its membership, consider the following statements:

1. BRICS was founded in 2009 as a coalition of emerging economies to enhance their global economic and political influence.
2. The headquarters of BRICS is located in Shanghai, China.
3. New members can join BRICS only if all current members agree to their inclusion during the annual BRICS summit.

How many of the statements given above are correct?

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

45) Regarding the "Mummy-Papa, Vote Do" campaign, consider the following statements:

1. It is an initiative by the Election Commission to increase voter turnout in Jharkhand.
2. The campaign involves children writing letters to their parents, urging them to vote.
3. It focuses exclusively on urban areas with traditionally low voter turnout.

Which of the statements given above are correct?

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

46) Concerning the DANA (Depresión Aislada en Niveles Altos) phenomenon, consider the following statements:

1. DANA is caused by a high-pressure system over the Mediterranean Sea leading to dry conditions.
2. The phenomenon involves the interaction between a pocket of cold air and warm, moist air over the sea.
3. Climate change has intensified DANA events, making them more severe and widespread.

Which of the statements given above are correct?

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

47) With respect to Sambhar Lake in Rajasthan, consider the following statements:

1. Sambhar Lake is India's largest freshwater lake and is a UNESCO World Heritage Site.

2. It is designated as a Ramsar site and supports a rich diversity of migratory birds.
3. The lake is a significant site for salt production in India.

How many of the statements given above are incorrect?

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

48) In the context of India's efforts to eliminate tuberculosis, consider the following statements:

1. India aims to eliminate TB by 2025, ahead of the global target set for 2030.
2. The percentage of households in India facing catastrophic health costs due to TB has decreased significantly.
3. Multi-drug-resistant TB cases in India have been completely eradicated through effective treatment strategies.

Which of the statements given above are correct?

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

49) With reference to avian botulism, suspected in the bird deaths at Sambhar Lake, consider the following statements:

1. Avian botulism is a viral disease that spreads rapidly among bird populations.
2. It is caused by toxins produced by the bacterium *Clostridium botulinum* in low-oxygen environments.
3. Outbreaks are often associated with environmental factors like water

temperature and organic matter in wetlands.

How many of the statements given above are correct?

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

50) With reference to foreign exchange (forex) reserves, consider the following statements:

1. India's forex reserves include foreign currencies, gold, Special Drawing Rights

(SDRs), and the Reserve Tranche Position (RTP) with the IMF.

- 2. Forex reserves help in stabilizing the Indian rupee and managing exchange rates.
- 3. A robust forex reserve position enhances India's ability to attract foreign investment and trade.

How many of the statements given above are incorrect?

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



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