

WEEKLY QUIZ

DATE : 20th Jan-2nd Feb

1) Which of the following was an important economic measure taken by Devi Ahilyabai Holkar?

- a) She implemented a standardized currency system for trade.
- b) She granted land to merchants and weavers to promote the textile industry.
- c) She imposed high import tariffs to protect local industries.
- d) She created a centralized banking system for agricultural finance.

2) Which of the following best describes the scientific objectives of Axiom Mission 4 (Ax-4)?

- a) Conducting medical research on the effects of prolonged space travel on the human body
- b) Testing commercial space tourism feasibility for extended orbital stays
- c) Developing bioengineering and material science experiments under microgravity conditions
- d) Performing robotic assembly of satellite components aboard the ISS

3) Which of the following statements correctly explains why ammonia contamination in the Yamuna is more severe during winter?

- a) Water flow increases in winter, causing higher ammonia accumulation.
- b) Increased agricultural activity in winter releases higher levels of ammonia.
- c) Lower atmospheric pressure allows ammonia to remain dissolved in the water.
- d) Cold temperatures slow down the natural oxidation of ammonia in water.

4) Consider the following statements regarding ammonia and its sources:

- 1. Ammonia in the environment is produced both naturally and anthropogenically.
- 2. Volcanic eruptions release significant amounts of ammonia into the atmosphere.
- 3. Agricultural activities contribute to ammonia pollution through livestock waste and fertilizer application.

Which of the statements given above are correct?

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

5) Which of the following correctly describes the role of livestock farming as a major source of ammonia emissions?

- a) Ammonia emissions are primarily due to the digestion of food by livestock.
- b) Livestock excrete nitrogen-rich waste, which volatilizes into

ammonia.

- c) Most ammonia in livestock farming comes from animal feed production rather than waste.
- d) Ammonia emissions from livestock farming are negligible compared to industrial sources.

6) Consider the following statements regarding the geological history of the Yamuna River:

- 1. The Yamuna was originally a tributary of the Saraswati River before shifting its course eastward.
- 2. The river's current alignment is primarily due to tectonic movements during the Quaternary period.
- 3. The Yamuna follows a rift valley formation similar to the Narmada and Tapti rivers.

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

7) Consider the following sources contributing to the hydrology of the Yamuna River:

- 1. Glacial meltwater
- 2. Monsoonal rainfall
- 3. Groundwater inflow
- 4. Treated wastewater discharge

Which of the above contribute significantly to the flow of the Yamuna in its lower course (downstream of Delhi)?

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

8) Consider the following statements regarding the Payment and Settlement Systems Act, 2007 (PSS Act):

- 1. The Act grants the Reserve Bank of India (RBI) the authority to regulate, supervise, and control payment systems in India.
- 2. The Act allows foreign entities to operate payment systems in India without requiring RBI approval.
- 3. Under the Act, the RBI can impose monetary penalties and revoke authorization for non-compliance with regulatory norms.

How many of the above statements is/are correct?

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

9) Consider the following statements regarding the characteristics of the Salmonella bacterium:

1. Salmonella is a gram-negative, rod-shaped bacterium that primarily infects the gastrointestinal tract.
2. All strains of Salmonella cause severe illness in humans.
3. Unlike Escherichia coli (E. coli), Salmonella does not survive in acidic environments.

Which of the statements given above are correct?

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

10) Consider the following statements regarding Salmonella outbreaks in foodborne diseases:

1. Salmonella outbreaks are more common in warm and humid climates due to favorable bacterial growth conditions.
2. The bacterium can be completely destroyed by refrigeration at 4°C.
3. Cross-contamination between raw and cooked food is a major cause of Salmonella infections.

Which of the statements given above are correct?

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

11) Which of the following statements best describes the primary goal of the PM Surya Ghar Muft Bijli Yojana?

- a) To replace conventional power grids with 100% solar energy-based electricity generation.
- b) To provide subsidies for commercial and industrial solar power projects.
- c) To reduce dependence on imported fossil fuels by mandating solar energy adoption in all homes.
- d) To promote rooftop solar energy installations and provide free electricity to households up to a certain limit.

12) Consider the following statements regarding the geography of the Democratic Republic of Congo (DRC):

1. The DRC is the second-largest country in Africa by area.
2. The Congo River is the longest river in Africa.
3. The DRC does not have a coastline along the Atlantic Ocean.

How many of the above statements are correct?

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

13) Which of the following best describes the primary objective of the MSME TEAM Initiative?

- a) To provide direct financial subsidies to MSMEs for infrastructure development.
- b) To integrate MSMEs into a unified digital ecosystem to enhance market access.
- c) To establish new manufacturing hubs exclusively in urban areas.
- d) To promote traditional marketing methods among MSMEs.

14) Consider the following statements regarding nuclear fusion:

1. Nuclear fusion occurs when two heavy atomic nuclei combine to form a lighter nucleus, releasing energy.

2. The process requires extremely high temperatures to overcome electrostatic repulsion between atomic nuclei.
3. Fusion energy produces long-lived radioactive waste, making its disposal a major environmental challenge.

How many of the above statements are incorrect?

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

15) Consider the following statements regarding the National Critical Mineral Mission (NCMM):

1. It is implemented by the Ministry of Mines to ensure India's self-reliance in critical minerals.
2. The mission focuses exclusively on the exploration of domestic mineral reserves within India.
3. It aims to reduce dependence on China for rare earth elements (REEs) and lithium.

How many of the above statements are correct?

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

16) Consider the following statements regarding the role of the retina in human vision:

1. The retina converts light into neural signals, which are transmitted to the brain via the optic nerve.
2. Rod cells in the retina are responsible for color vision and function well in bright light.
3. Retinal diseases primarily affect the cornea, leading to progressive vision loss.

How many of the above statements are correct?

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

17) Which of the following statements regarding the Paris AI Summit 2025 is correct?

- a) It is the first global AI Summit focused on AI governance.
- b) It was co-chaired by India's Prime Minister and the President of the European Commission.
- c) It aims to establish a global framework for ethical AI regulation and governance.
- d) It focuses solely on European AI leadership and does not involve non-European countries.

18) Consider the following statements regarding the PM Surya Ghar Muft Bijli Yojana:

1. The scheme is implemented by the Ministry of Power.
2. Households benefiting from this scheme can also avail subsidies under other solar energy schemes.
3. The scheme allows households to sell surplus solar electricity back to the grid.

How many of the above statements is/are correct?

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

19) Consider the following objectives of the Paris AI Summit 2025:

1. Establishing an international regulatory framework for artificial intelligence (AI).
2. Reducing the AI development gap between developed and developing countries.
3. Addressing concerns regarding the monopolization of AI by major tech firms.

How many of the above statements are correct?

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

20) Which of the following retinal diseases is caused by genetic mutations and can lead to progressive vision loss?

- a) Diabetic Retinopathy
- b) Retinal Detachment
- c) Age-related Macular Degeneration (AMD)
- d) Retinitis Pigmentosa

21) Which of the following best describes the "When-Listed" platform introduced by SEBI?

- a) A platform allowing the trading of unlisted shares after official listing
- b) A secondary market for shares already listed on stock exchanges
- c) A regulated platform for trading IPO-allotted shares before official listing
- d) A grey market mechanism for pre-listing share trading

22) Which of the following ISRO launch vehicles has successfully demonstrated cryogenic propulsion technology?

- a) PSLV
- b) GSLV Mk I and Mk II
- c) GSLV Mk III (LVM3)
- d) Both (b) and (c)

23) Consider the following statements regarding the ASER Report 2024:

1. The ASER survey is conducted by the National Sample Survey Office (NSSO).
2. The 2024 report assesses reading and arithmetic skills of children in both rural and urban areas.
3. The report evaluates foundational literacy and numeracy (FLN) in children across three age groups.

How many of the above statements are correct?

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

24) Consider the following statements regarding SEBI's regulatory mechanism:

1. SEBI regulates both primary and secondary markets in India.
2. SEBI allows T+5 settlement cycles for IPO-listed shares.
3. The grey market operates under SEBI's supervision and follows formal regulations.

How many of the above statements is/are correct?

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

25) Consider the following statements regarding Bhashini, India's AI-powered translation platform:

1. Bhashini is developed by NITI Aayog under the Digital India Initiative.
2. The platform currently supports only Hindi and English languages.
3. Bhashini is limited to government use only and does not support private applications.

How many of the above statements are correct?

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

26) Consider the following statements regarding WHO's new guidelines on table salt:

1. WHO recommends using higher sodium salt substitutes to improve taste and health outcomes.
2. The guidelines apply universally, including pregnant women and children.
3. The main goal is to reduce sodium intake to lower cardiovascular risks.

How many of the above statements are correct?

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

27) Which of the following correctly describes "Reinforcement Learning from Human Feedback" (RLHF), a technique used in AI models like ChatGPT?

- a) A supervised learning approach that does not require trial-and-error interactions
- b) A training paradigm that does not involve reward models or human oversight
- c) A method where human evaluators fine-tune the AI model by ranking generated responses
- d) A process where reinforcement learning models are trained exclusively using historical data

28) Consider the following statements regarding ISRO's launch vehicles:

1. The Polar Satellite Launch Vehicle (PSLV) is the only operational launch vehicle used for interplanetary missions.
2. The GSLV Mk III (LVM3) is designed for both heavy satellite launches and human spaceflight missions.
3. The Small Satellite Launch Vehicle (SSLV) uses a hybrid propulsion system with both solid and liquid fuel stages.

How many of the above statements are incorrect?

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

29) Consider the following statements regarding WASP-127b:

1. It is classified as a Super-Earth due to its rocky composition.
2. The planet's atmosphere is highly transparent, making it one of the best candidates for spectroscopic studies.
3. It has been detected using the transit method, where its light curve is observed as it passes in front of its star.

How many of the above statements are correct?

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

30) Consider the following statements regarding ISRO's future launch vehicle developments:

1. The Next-Generation Launch Vehicle (NGLV) is planned to replace both PSLV and GSLV for future missions.
2. The Unified Launch Vehicle (ULV) is being designed as a modular system to accommodate different payloads.
3. ISRO has a fully developed reusable orbital launch system similar to SpaceX's Starship.

How many of the above statements are correct?

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

31) Which of the following is NOT a feature of the Enhanced Certificate of Origin (eCoO) 2.0 System?

- a) It enables the issuance of both preferential and non-preferential Certificates of Origin.
- b) It allows the issuance of back-to-back Certificates of Origin for re-exported goods.
- c) It mandates online processing of non-preferential CoOs from January 1, 2025.
- d) It provides exporters the option to authenticate documents using blockchain technology.

32) Which of the following factors has contributed most significantly to the ecological imbalance in Lake Victoria?

- a) Decline in rainfall due to climate change
- b) Salinity increase caused by rising ocean levels
- c) High levels of volcanic activity beneath the lake
- d) Introduction of invasive species like the Nile Perch

33) Which of the following statements accurately describes the primary objective of the Wetland City Accreditation (WCA) scheme under the Ramsar Convention?

- a) To mandate urban development projects to include wetland restoration plans.
- b) To enforce legal penalties on cities that fail to protect their urban wetlands.
- c) To provide international recognition to cities that demonstrate exceptional efforts in conserving and sustainably managing their wetlands.
- d) To prioritize funding for infrastructural development in cities with significant wetland areas.

34) Consider the following statements regarding Lezim Dance:

1. Lezim dance was originally developed as a form of martial training among Maratha soldiers.
2. It is mainly performed by female dancers as part of Navratri celebrations in Maharashtra.
3. The dance involves synchronized movements accompanied by traditional Dhol or Nagara drums.

How many of the above statements are correct?

- a) Only one
- b) Only two

- c) All three
- d) None

35) Which of the following factors was the primary driver behind the rapid intensification of Storm Eowyn?

- a) High sea surface temperatures and increased latent heat flux
- b) A weak jet stream causing stagnation of the storm system
- c) Absence of temperature contrast between Arctic air and warm ocean air
- d) A slow-moving high-pressure system over the North Atlantic

36) Consider the following statements regarding stove lighters:

1. Piezoelectric lighters use quartz crystals to generate an electric spark.
2. Electronic stove lighters require an external power source such as a battery.
3. Piezoelectric lighters require regular recharging to function properly.

How many of the above statements are correct?

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

37) Which of the following was a key reason why the Goa Liberation Movement took longer compared to other princely states' integration into India?

- a) Goa had a separate treaty with India under the Instrument of Accession.
- b) The Portuguese had strong international support and refused to negotiate.
- c) The Indian government had officially recognized Portuguese sovereignty over Goa.
- d) Goan revolutionaries lacked external support and military capability.

38) Lala Lajpat Rai was instrumental in founding which of the following institutions to promote financial self-reliance among Indians?

- a) The Punjab National Bank (PNB)
- b) The Imperial Bank of India
- c) The Indian National Trade Union Congress (INTUC)
- d) The Swadeshi Steam Navigation Company

39) Consider the following statements regarding Enhanced Certificate of Origin (eCoO) 2.0 System.

- Statement-I:** The eCoO 2.0 System enhances the efficiency and transparency of India's export certification process.
Statement-II: The system replaces all other digital platforms under DGFT related to trade documentation.

Select the correct answer:

- 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

40) Consider the following statements about Lala Lajpat Rai:

1. He played a key role in the establishment of the Banaras Hindu University (BHU).
2. He was the first Indian to demand complete independence (Purna Swaraj) from British rule.

3. He founded the Servants of the People Society to promote social reforms.

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 is the most common risk factor for developing Chronic Pulmonary Aspergillosis (CPA)?

- a) Recent recovery from tuberculosis or other lung infections
- b) Exposure to second-hand smoke
- c) Long-term use of non-steroidal anti-inflammatory drugs (NSAIDs)
- d) High-altitude living with low oxygen levels

42) Consider the following statements regarding the 14th Amendment of the US Constitution:

1. It guarantees birthright citizenship to all persons born in the United States, including children of foreign diplomats.
2. It was introduced to address the rights of freed slaves after the Civil War.
3. It forms the legal basis for equal protection under the law in the United States.

Which of the above statements are correct?

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

43) Consider the following statements regarding the comparison between seas and oceans:

1. Oceans are deeper than seas, with the Challenger Deep being the deepest point in the ocean system.
2. Seas generally have higher salinity levels compared to oceans due to evaporation and minimal water exchange.
3. Both seas and oceans equally influence global climate regulation by distributing solar energy.

Which of the above statements are correct?

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

44) Consider the following statements about paraquat poisoning.

1. Paraquat is a bipyridyl herbicide commonly used in agriculture.
2. Ingestion of even small amounts of paraquat can lead to severe toxicity and multi-organ failure.
3. Pulmonary fibrosis is a delayed but common complication of paraquat poisoning.
4. Hemodialysis is an effective method to eliminate paraquat from the bloodstream.

How many of the above statements is/are correct?

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

45) What is the primary aim of introducing the Unified Pension Scheme (UPS)?

- a) To provide employees with market-linked investment options for higher returns
- b) To replace the National Pension System (NPS) entirely with a more flexible alternative
- c) To address concerns over market-linked returns in NPS by guaranteeing lifelong pensions
- d) To provide a lump sum retirement payout instead of monthly pensions

46) Which of the following statements about tidal flooding are correct?

1. Tidal flooding often occurs in areas with poor stormwater infrastructure.
2. Tidal flooding is influenced by gravitational forces of the moon and sun.
3. Coastal erosion exacerbates the impact of tidal flooding.
4. Tidal flooding events are limited to tropical coastal regions.

Select the correct answer code:

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

47) Consider the following statements regarding the vegetation and fauna of Surajpur Wetland:

1. The wetland is surrounded by tropical moist and dry deciduous vegetation, including Phoenix trees.
2. Rare bird species like the Sarus Crane and Bristled Grassbird are found in the wetland.
3. The wetland primarily supports bird species that are resident breeders, with no migratory species.

Which of the above statements are correct?

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

48) Consider the following statements about Chronic Pulmonary Aspergillosis (CPA):

1. CPA primarily affects the gastrointestinal tract rather than the lungs.
2. CPA is caused by inhalation of viral particles.
3. CPA can be effectively treated with a single dose of antibiotics.

How many of the above statements is/are correct?

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

49) Consider the following statements about the impacts of tidal flooding:

1. Tidal flooding can result in saltwater intrusion into freshwater supplies.
2. Tidal flooding always leads to the permanent submersion of affected areas.
3. Tidal flooding is always caused by storm surges.

How many of the above statements is/are correct?

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

50) Consider the following statements regarding the Unified Pension Scheme (UPS):

1. The UPS will be regulated by the Pension Fund Regulatory and Development Authority (PFRDA).

2. The scheme guarantees a monthly pension equal to 50% of the employee's average basic pay over the last 12 months before retirement.
3. Employees are required to contribute 15% of their basic pay under the UPS.

How many of the above statements is/are correct?

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



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