

# WEEKLY QUIZ

DATE : 2<sup>nd</sup> Sept- 8<sup>th</sup> Sept

1. In the case of Mithu vs. State of Punjab (1983), which articles of the Indian Constitution did the Supreme Court declare violated by the mandatory death sentence?
  - a) Article 19 and Article 21
  - b) Article 14 and Article 21
  - c) Article 15 and Article 19
  - d) Article 16 and Article 22
2. What is the primary purpose of the Poshan Tracker initiative launched by the Ministry of Women and Child Development (MoWCD)?
  - a) To provide financial assistance to pregnant women
  - b) To promote school education for children in rural areas
  - c) To monitor the growth and nutrition of children in real-time using WHO growth charts
  - d) To distribute food grains to underprivileged families
3. What is the primary purpose of the Vishvasya-Blockchain Technology Stack launched by the Government of India?
  - a) To regulate cryptocurrency usage in India
  - b) To provide a public blockchain network for all users
  - c) To centralize blockchain infrastructure for government institutions
  - d) To offer Blockchain-as-a-Service (BaaS) for developing permissioned blockchain applications
4. What is financialisation in the context of economic activities?
  - a) When the government increases direct control over the financial sector
  - b) When financial markets and institutions dominate economic activities, overshadowing production and investment
  - c) When economic activities focus entirely on manufacturing and agriculture
  - d) When global trade increases the dependence on foreign exchange markets
5. What is the primary purpose of the India Graphene Engineering and Innovation Centre (IGEIC) launched by the Ministry of Electronics and IT (MeitY)?
  - a) To focus solely on academic research related to graphene
  - b) To regulate the import and export of graphene in India
  - c) To bridge the gap between graphene R&D and commercialization
  - d) To promote the export of graphene-based products to international markets
6. Consider the following statements regarding Quantum Theory and General Relativity:
  1. Quantum Theory explains the behavior of matter and energy at small scales, such as subatomic particles.
  2. General Relativity describes the motion of large objects in gravitational fields, such as planets and stars.
  3. Quantum Theory and General Relativity are fully compatible and have been unified under a single theory of quantum gravity.Which of the above statements is/are correct?
  - a) 1 and 2 only

- b) 2 and 3 only  
c) 1 and 3 only  
d) 1, 2, and 3
7. Which of the following is not a characteristic of graphene?  
a) Stronger than steel  
b) Conducts electricity  
c) Heavier than lead  
d) Biocompatible
8. Consider the following statements about blockchain technology:
1. Each block in the blockchain contains encrypted data, which makes it tamper-proof.
  2. Blockchain operates on a decentralized network, which means no single entity controls the data.
  3. Smart contracts are used in blockchain to enable self-executing contracts, which automatically enforce agreements.
- How many of the above statements is/are incorrect?  
a) Only one  
b) Only two  
c) All three  
d) None
9. Consider the following statements about the risks of financialisation:
1. Excessive financialisation can lead to inflated asset prices, making markets vulnerable to crashes.
  2. Financialisation tends to benefit wealthy individuals more than lower-income groups, contributing to economic inequality.
  3. Increased financialisation generally decreases the overall debt levels in an economy.
- Which of the above statements is/are correct?  
a) 1 and 2 only  
b) 2 and 3 only  
c) 1 and 3 only  
d) 1, 2, and 3
10. Consider the following statements regarding graphene:
1. Graphene is made of pure carbon, like graphite, but with a different structure.
  2. It has the potential to revolutionize the electronics and aerospace industries.
  3. Graphene has natural magnetic properties that make it ideal for magnetic storage devices.
- Which of the above statements is/are correct?  
a) 1 and 2 only  
b) 2 and 3 only  
c) 1 and 3 only  
d) 1, 2, and 3
11. What does the term “Black Coat Syndrome” refer to?  
a) A medical condition related to wearing black coats  
b) The anxiety and fear experienced by ordinary citizens in courtrooms  
c) A fashion trend among lawyers  
d) A term used to describe corruption in the judiciary
12. What is the primary significance of the FWD 200B UAV developed by Flying Wedge Defence and Aerospace (FWDA)?  
a) It is India’s first indigenous combat unmanned aerial vehicle (UAV)  
b) It is the world’s first supersonic UAV  
c) It is the first UAV capable of underwater operations  
d) It is a commercial drone for agricultural purposes
13. What is the main focus of the “VishanuYuddh Abhyas” mock drill?  
a) Strengthening military response during biowarfare  
b) Evaluating India's preparedness for zoonotic disease outbreaks  
c) Testing the response to chemical disasters  
d) Improving Road accident emergency services

14. What is the most significant advantage of the GNSS-based Electronic Toll Collection (ETC) system over the current FASTag system?
- Toll charges are based on vehicle type, not distance travelled
  - It eliminates the need for stopping at toll plazas
  - The system works without the use of satellites
  - It is a fully manual toll collection system
15. Parkinson's disease primarily affects which type of cells in the brain?
- Glial cells
  - Neurons
  - Red blood cells
  - Epithelial cells
16. Consider the following statements about delimitation powers of the State Election Commissions (SECs):
- SECs are responsible for delimiting constituencies for local elections every five years.
  - Delimitation powers of the SEC extend to state assembly constituencies.
  - SECs rely on the voter list prepared by the Election Commission of India for delimitation purposes.
- Which of the above statements is correct?
- 1 only
  - 2 only
  - 3 only
  - 1 and 3 only
17. What does Gross Fixed Capital Formation (GFCF) primarily indicate in an economy?
- The total government expenditure on public welfare
  - The total value of consumer spending during a financial year
  - The total value of a country's investments in fixed assets
  - The total value of goods and services produced by an economy
18. Consider the following statements about the GNSS-based Electronic Toll Collection (ETC) system:
- The GNSS-based ETC system uses satellite technology to determine the vehicle's location and calculate toll charges based on the distance travelled.
  - The GNSS-based ETC system requires vehicles to pass through physical toll booths for toll collection.
  - Unlike traditional systems, the GNSS-based system allows tolls to be collected without requiring vehicles to stop at toll gates.
- How many of the above statements is/are correct?
- Only one
  - Only two
  - All three
  - None
19. Which of the following is considered under Gross Fixed Capital Formation (GFCF)?
- Raw materials held in stock for production
  - Buildings and machinery used in production
  - Finished goods waiting for sale
  - All items in a company's inventory
20. Consider the following statements about the "VishanuYuddh Abhyas" mock drill:
- The drill is a part of the National One Health Mission (NOHM).
  - It focuses on reducing dependency on foreign health experts in outbreak situations.
  - The exercise includes real-time virus identification and outbreak control measures.
- How many of the above statements is/are correct?
- Only one
  - Only two

- c) All three
- d) None

21. Consider the following statements about Lothal:

1. Lothal was one of the southernmost cities of the Harappan civilization, located in present-day Gujarat.
2. It had an advanced drainage system, similar to that of Mohenjo-Daro and Harappa.
3. The Sabarmati River still flows close to Lothal, making it a key archaeological site with continuous river access.

Which of the above statements is correct?

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

22. How does Brunei contribute to India's Indo-Pacific vision?

- a) by offering naval bases to India
- b) by being a nuclear weapons state
- c) by being located in a strategic area of the South China Sea
- d) by being a direct military ally of India

23. What is the primary focus of OpenAI's Project Strawberry?

- a) Creating an AI-based agricultural tool
- b) Generating synthetic biology models for pharmaceutical research
- c) Developing an advanced AI model with enhanced math, programming, and reasoning skills
- d) Addressing cybersecurity threats through AI

24. What is the primary objective of the Krishi Nivesh Portal?

- a) To track agricultural exports
- b) To improve crop yield forecasting
- c) To enhance transparency in agricultural investments

- d) To promote sustainable farming techniques

25. Consider the following statements regarding the India Semiconductor Mission (ISM):

1. ISM operates under the Ministry of Science and Technology.
2. ISM has full administrative and financial powers to implement semiconductor-related schemes.
3. ISM focuses exclusively on the design and research of semiconductors, not on manufacturing.

Which of the above statements is correct?

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

26. Consider the following statements about the dockyard at Lothal:

1. Lothal's dockyard was connected to the Indus River, which facilitated maritime trade.
2. The dockyard is one of the oldest known examples of water transport infrastructure in the world.
3. Lothal's dockyard primarily handled goods traded with the western region of Mesopotamia.

How many of the above statements is/are correct?

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

27. Consider the following statements about the advancements expected in Project Strawberry:

1. Project Strawberry will bring AI capabilities closer to Artificial General Intelligence (AGI).

2. It aims to integrate real-time access to internet searches into its capabilities.
3. The project focuses primarily on enhancing AI's creative writing skills.

Which of the above statements is correct?

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

28. Consider the following statements regarding Glacial Lake Outburst Floods (GLOF):

1. GLOFs are caused by the failure of unstable dams made of ice or loose sediment around glacial lakes.
2. Glacial lakes are primarily formed due to water accumulating from rainfall.
3. GLOFs can cause downstream flooding and are triggered by natural events such as ice avalanches or earthquakes.

Which of the above statements is correct?

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

29. Which of the following statements about Brunei's significance for India is/are correct?

1. Brunei is a major oil and gas exporter, which aligns with India's energy security needs.
2. Brunei is a key player in ASEAN, a regional organization that is central to India's 'Act East' Policy.
3. Brunei is directly involved in India's Quad alliance with the U.S., Japan, and Australia.

Select the correct answer code:

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

30. Consider the following statements regarding the focus areas of AgriSURE – Agri Fund for Start-Ups & Rural Enterprises:

1. The fund primarily focuses on farm mechanization and technology-driven start-ups.
2. It aims to increase youth participation in agriculture.
3. It specifically funds research projects related to agricultural biotechnology.

How many of the above statements is/are correct?

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

31. Which of the following accurately describes the Munich Agreement of 1938?

- a) It was a peace treaty signed between Germany and the Soviet Union.
- b) It was a treaty to end World War II.
- c) It was a non-aggression pact signed between the United States and Germany.
- d) It allowed Nazi Germany to annex the Sudetenland region of Czechoslovakia

32. Which of the following is not considered a motor symptom of Parkinson's disease?

- a) Tremors
- b) Bradykinesia
- c) Gastrointestinal symptoms
- d) Dystonia

33. Which operation was initiated to address the wolf attacks in Bahraich, Uttar Pradesh?

- a) Operation Leopard
- b) Operation Jungle Watch
- c) Operation Shikaar
- d) Operation Bhediya

34. Consider the following statements about the Indian Gray Wolf:

1. It is listed in Schedule I of the Wildlife (Protection) Act of 1972 in India, granting it the highest level of protection.
2. The Indian Gray Wolf is classified under Appendix III of CITES, reflecting its vulnerability in international trade.
3. The Indian Gray Wolf is a critically endangered species, as per the IUCN Red List.

Which of the statements given above is correct?

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

35. Which body of water does Sudan share a coastline with?

- a) Mediterranean Sea
- b) Arabian Sea
- c) Red Sea
- d) Atlantic Ocean

36. Consider the following statements regarding the Ramon Magsaysay Award:

1. The award is given only to citizens of Southeast Asia.
2. It was established to honor the then president of the Philippines, Ramon Magsaysay.
3. Recipients of the award receive a medallion, a certificate, and not a cash prize.

Which of the statements given above is correct?

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

37. Match the following terms with their descriptions in the context of wildlife conservation:

List I (Term) — List II (Description)

A. IUCN Least Concern — 1. International trade in species is regulated

B. CITES Appendix I — 2. Highest level of protection under Indian law

C. Wildlife (Protection) Act, Schedule I — 3. Species not currently at significant global risk

D. Endangered — 4. Species at high risk of extinction in the wild

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

38. Consider the following statements regarding mitochondrial dynamics in Parkinson's disease:

1. Mitochondria are static structures that maintain a fixed size and location in the cell.
2. Imbalances in mitochondrial dynamics are linked to neurodegenerative diseases, including Parkinson's disease.
3. Mitochondrial dysfunction is considered one of the underlying causes of the cell death observed in Parkinson's disease.

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 regarding the legal and regulatory frameworks for groundwater management in India:

1. Article 21 of the Indian Constitution recognizes the fundamental right to clean water as part of the right to life.
2. The Model Groundwater Bills empower state boards to manage water resources by creating laws at the state level.
3. The Polluter Pays Principle is used to mandate that the government, not the polluter, bears the cost of groundwater contamination cleanup.

How many of the above statements is/are correct?

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

40. Which of the following characteristics distinguishes the Asiatic cheetah from the African cheetah?

- a) Larger body size
- b) Darker coat
- c) Presence of red eyes
- d) Stronger bite force

41. Which of the following criteria is not required for a CPSE to achieve Maharatna status?

- a) Average annual turnover exceeding ₹25,000 crore in the last 3 years
- b) Listed on the Indian stock exchange with prescribed public shareholding
- c) Must have a Composite score of 60 or above in specific performance indicators
- d) Significant global presence or international operations

42. Consider the following statements regarding the 'Aravalli' helicopter engine project:

1. The 'Aravalli' engine is being developed exclusively for the Indian Multi-Role Helicopter (IMRH).
2. The partnership between HAL and SAFHAL Helicopter Engines Pvt. Ltd. is part of India's strategy to enhance indigenous aerospace capabilities.
3. The 'Aravalli' engine project involves collaboration with Russian aerospace companies for technology transfer.

Which of the above statements is/are correct?

- a) 2 only
- b) 1 and 2 only

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

43. Consider the following statements regarding Project NAMAN:

1. Project NAMAN is an initiative by the Indian Army to streamline pension processes for Defence Pensioners and Veterans.
2. The project relies on the SPARSH digital pension system, which is managed entirely by the Indian government without any private sector involvement.
3. Common Service Centres (CSCs) under Project NAMAN are managed by veterans or their families, ensuring community involvement in service delivery.

How many of the above statements is/are correct?

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

44. Consider the following statements about the characteristics of cyclones:

1. Cyclones are intense systems of air circulation around a low-pressure center.
2. Tropical cyclones can occur in both mid-latitude and tropical regions.
3. Cyclones rotate in opposite directions in the Northern and Southern Hemispheres due to the Coriolis effect.

Which of the above statements is/are correct?

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

45. Consider the following statements about the procedures under the e-Dispute Resolution Scheme (e-DRS) 2022:

1. The Dispute Resolution Committees (DRCs) can modify orders, reduce or waive penalties under this scheme.
2. The DRCs must issue decisions within nine months from the date of application.
3. The scheme is available across multiple regional jurisdictions in India.

How many of the above statements is/are correct?

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

46. Which countries are the initial signatories of the memorandum of understanding (MoU) establishing the Colombo Security Conclave (CSC) Secretariat?

- a) India, Bangladesh, Myanmar, and Sri Lanka
- b) India, Nepal, Bhutan, and Sri Lanka
- c) India, Pakistan, Afghanistan, and Sri Lanka
- d) India, Sri Lanka, Maldives, and Mauritius

47. Consider the following statements regarding the 'Navratna' status in India:

1. 'Navratna' status grants CPSEs complete autonomy in financial and operational matters without any government oversight.
2. The 'Navratna' status is awarded based on the performance and profitability of the CPSE.
3. With the recent additions, there are now 100 CPSEs that hold 'Navratna' status.

Which of the above statements is/are correct?

- a) 2 only
- b) 1 only

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

48. Consider the following statements regarding the Colombo Security Conclave (CSC):

1. The CSC aims to address transnational threats by enhancing cooperation in areas like maritime safety, counter-terrorism, and cyber security.
2. The CSC Secretariat is based in Colombo, Sri Lanka, and was established to reinforce regional security cooperation among member nations.
3. The MoU for the CSC includes provisions for economic integration among member states, including the establishment of a free trade area.

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 expected outcomes of the Vehicle Scrappage Policy:

1. The policy will lead to a reduction in air pollution by removing older, more polluting vehicles from the roads.
2. The policy will mandate the use of electric vehicles as replacements for all scrapped vehicles.
3. The policy will help in reducing the consumption of non-renewable resources by promoting the recycling of materials from scrapped vehicles.

Which of the above statements is/are correct?

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



50. Which of the following acts established the Central Ground Water Authority (CGWA) for framing policies and programs related to groundwater management?

a) Indian Easement Act, 1882

b) National Green Tribunal Act, 2010

c) Water (Prevention and Control of Pollution) Act, 1974

d) Environment (Protection) Act, 1986



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