

WEEKLY QUIZ

DATE : 21st April – 27th April

1) Consider the following statements regarding Finance Commission.

Statement-I: The Finance Commission ensures fiscal decentralization in India.

Statement-II: It increases the borrowing capacity of States under Article 293 of the Constitution.

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

2) Consider the following statements regarding Eco-Sensitive Zones (ESZs).

Statement-I: Eco-Sensitive Zones help reduce the impact of human activity on India's protected areas.

Statement-II: ESZs function as eco-industrial corridors to enhance sustainable mining and thermal energy production.

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

3) Which of the following best explains the core technological principle behind the Kavach system?

- a) Satellite-based GPS navigation for real-time control
- b) RFID-based signalling communication between train and trackside systems
- c) AI-based object detection through thermal imaging
- d) Blockchain-based data validation of train schedules

4) Consider the following statements regarding X-band radar:

1. It is ideal for long-range maritime surveillance because of its deep atmospheric penetration.
2. It can detect rainfall and cloud structures with fine spatial resolution.
3. It uses Rayleigh scattering principles to analyze small object movements like raindrops.

How many of the above statements are correct?

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

5) Consider the following statements regarding Minerals Security Finance Network (MSFN) and India's mineral strategy:

1. India is a net exporter of lithium and cobalt, supplying global EV industries.

- 2. MSFN provides India access to rare earth processing technologies unavailable domestically.
- 3. India's engagement with MSFN aligns with its ambitions under the Production Linked Incentive (PLI) schemes.

How many of the above statements is/are correct?

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

6) Consider the following statements regarding the International Criminal Court (ICC):

1. The ICC was established by a UN Security Council Resolution under UN Charter.
2. It has universal jurisdiction over all crimes against humanity committed globally.
3. It is empowered to try individuals only when they are serving heads of state.

How many of the above statements are correct?

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

7) Which of the following best reflects the original geopolitical context in which ASEAN was formed in 1967?

- a) Regional stability amidst Cold War-era ideological tensions
- b) Promotion of military integration among post-colonial Asian states
- c) Need to counter Chinese influence in Indo-China following the Korean War
- d) Alignment of Southeast Asian nations against non-aligned bloc policies

8) The Manama Dialogue serves as a critical forum primarily for:

- a) Legal arbitration between Gulf countries and Western powers
- b) Economic integration among oil-exporting nations in the Middle East
- c) Strategic dialogue on regional security and diplomacy in West Asia
- d) Military pact formulation among the Arab League countries

9) Consider the following statements regarding the African Continental Free Trade Area (AfCFTA):

1. It is the largest free trade area in terms of participating countries since the WTO.
2. It mandates a single African customs authority with uniform external tariffs.
3. It aims to eliminate tariffs on 90% of goods traded within Africa.

How many of the above statements are correct?

- a) Only one
- b) Only two

c) All three
d) None

10) Consider the following statements:

1. **Majuli** is located in the **Ganga-Brahmaputra deltaic region**.
2. It was formed by **volcanic activity**.
3. **UNESCO** has already inscribed **Majuli** as a **World Heritage Site**.

How many of the above statements are correct?

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

11) How many of the following World Heritage Sites of India are majorly associated with Buddhist traditions?

1. **Ajanta Caves**
2. **Mahabodhi Temple Complex**
3. **Pattadakal Group of Monuments**
4. **Nalanda Mahavihara**

Select the correct answer code:

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

12) Consider the following statements regarding DPS Wetland:

1. **DPS Wetland** is part of the **Central Asian Flyway** network.
2. **Flamingo populations** use it as a feeding and resting site.
3. The wetland is an **artificial inland water body** created through **human excavation**.

How many of the above statements is/are correct?

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

13) Consider the following statements regarding Flamingos:

1. **Flamingos in India** are mostly found in the **Western Ghats' evergreen forests**.
2. **Greater Flamingos** are **native to India** and are the largest flamingo species.
3. Flamingos construct **floating nests** using **aquatic vegetation**.

How many of the above statements is/are correct?

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

14) Consider the following statements regarding Lanjia Saora tribal group:

1. The **Lanjia Saora** are classified as a **Particularly Vulnerable Tribal Group (PVTG)**.
2. The community practices **shifting cultivation**.
3. The **mango harvest dance** is performed as a **seasonal thanksgiving ritual to ancestral spirits** for fruit yield.

How many of the above statements is/are correct?

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

15) Consider the following statements regarding the **Natyashastra:**

1. It was authored by **Bharata** and outlines principles of **Rasa theory** and **stagecraft**.
2. It is primarily a **medieval text** codifying **temple rituals** and **inscriptions**.
3. It includes elaborate discussions on **dramaturgy, architecture, and musical scales**.

How many of the above statements is/are correct?

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

16) Consider the following statements regarding Majuli Island:

Statement-I: Majuli's candidature under the **UNESCO mixed heritage category** strengthens India's presence in **transdisciplinary heritage sites**.

Statement-II: The island demonstrates **integration of ecological restoration** and **post-industrial land use**.

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

17) Consider the following statements regarding UNESCO World Heritage Sites:

1. The **Western Ghats** are inscribed as a **World Heritage Site** for their **unique biodiversity** and **cultural traditions**.
2. **Rani-ki-Vav** was inscribed as a **World Heritage Site** under both **cultural and natural criteria**.

Which of the above statements is/are correct?

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

18) Which of the following observations about the exoplanet K2-18 b provides the strongest current evidence for potential extraterrestrial life?

- a) Presence of a **methane-rich core** beneath the planetary mantle
- b) Identification of **water ice volcanoes** across its crust
- c) Recurrent **auroral activity** linked to a **magnetic field**
- d) Detection of **Dimethyl Sulfide** and **Dimethyl Disulfide** in its atmosphere

19) The Magai River, significant in Eastern Uttar Pradesh, is primarily known for which of the following features?

- a) It serves as a major **irrigation source** for **sugarcane** in **Rohilkhand**
- b) It is a **tributary of the Yamuna** and flows through the **Bundelkhand region**
- c) It originates in the **Vindhyan ranges** and flows into the **Son River**
- d) It supports **betel leaf cultivation** in the districts it flows through

20) Consider the following statements regarding James Webb Space Telescope (JWST):

Statement-I: JWST's location at the second Lagrange point (L2) enhances its ability to detect faint **cosmic infrared signals**.

Statement-II: L2 provides a **cold, stable orbit** far from Earth and the Moon, reducing **background heat** and **light interference**.

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

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

- 1. India's NCMM includes development of domestic **nuclear fuel reserves** as a core objective.
- 2. The Mission was launched by the **NITI Aayog** under India's **Integrated Energy Policy**.
- 3. One of the stated goals of NCMM is to reduce **environmental degradation** through mineral recycling.

How many of the above statements is/are correct?

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

22) The Red Sea is distinct among world water bodies due to which of the following?

- a) It has the **lowest salinity** among the tropical seas
- b) It is formed at a **triple junction of tectonic plates**
- c) It is the only sea connected directly to both the **Mediterranean Sea** and the **Arabian Sea**
- d) It supports only **shallow coral ecosystems** due to high temperatures

23) Which of the following milestones was NOT associated with the Bombay Stock Exchange (BSE)?

- a) First exchange to launch a **global depository receipt (GDR)** in India
- b) First Indian exchange to join the **UN's Sustainable Stock Exchanges (SSE) Initiative**
- c) Launch of **Sensex** as India's first **stock market index**
- d) First exchange in India to introduce **electronic trading through BOLT**

24) Consider the following statements regarding Colossal squids:

Statement-I: Colossal squids are rarely studied in the wild.

Statement-II: Their **deep oceanic habitat and elusive nature** make them difficult to observe or capture.

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

25) Consider the following statements regarding People for the Ethical Treatment of Animals (PETA)'s operations:

- 1. It uses **celebrity advocacy** as a **strategic communication tool**.
- 2. It promotes **cage-free meat consumption** as a humane option.
- 3. It conducts **global undercover investigations on animal abuse**.
- 4. Its motto affirms animals should not be used for **any human purpose**.

How many of the above statements is/are correct?

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

26) Consider the following statements regarding Red Sea:

- 1. The **Red Sea** was named due to the **iron-rich sediments** that give its waters a **rusty hue**.
- 2. The average **salinity** of the **Red Sea** is lower than that of the **Indian Ocean**.
- 3. It is a significant region for **underwater military surveillance** and **submarine operations**.

How many of the above statements is/are incorrect?

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

27) Consider the following statements about People for the Ethical Treatment of Animals (PETA):

- 1. **PETA** is an **UN-affiliated intergovernmental body**.
- 2. **PETA** primarily focuses on **wildlife conservation** and **habitat protection**.
- 3. It has won a **Nobel Peace Prize** for its work on **animal ethics**.
- 4. Its campaigns are confined to **vegetarianism advocacy**.

How many of the above statements is/are correct?

- (a) Only two
- (b) Only three
- (c) All four
- (d) None

28) Which of the following best characterizes the significance of Exercise Tiger Triumph 2025 in India's evolving maritime strategy?

- a) Strengthening **bilateral maritime trade routes** with **ASEAN nations**
- b) Strengthening bilateral maritime trade routes with ASEAN nations
- c) Enhancing **amphibious interoperability** with a **Quad member for Humanitarian Assistance and Disaster Relief (HADR) operations**
- d) Creating a **trilateral naval command** with the **USA and Australia** in the **Indian Ocean**

29) Consider the following statements regarding Finance Commission:

- 1. The **Finance Commission** determines the **salary of the Comptroller and Auditor General (CAG)** of India.
- 2. It is an **executive body** established by the **Ministry of Finance**.
- 3. Its recommendations are required for **disbursement of funds** to the **Election Commission of India**.

How many of the above statements is/are correct?

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

30) Consider the following statements regarding Exercise DUSTLIK-6:

- It is held annually under the framework of the **Shanghai Cooperation Organisation (SCO)**.
- It involves **sub-conventional operations** including **counter-terrorism** and **urban warfare drills**.
- The exercise aims to foster **defence cooperation** between **India** and one of the **Central Asian republics**.

How many of the above statements is/are correct?

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

31) Consider the following statements:

1. The **Shyok River** flows entirely within the boundaries of India.
2. It originates from the **Pangong Tso Lake**.
3. It merges with the **Ganga River** in the plains of **Punjab**.

How many of the above statements is/are correct?

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

32) Consider the following statements:

1. The **Finance Commission** recommends the **borrowing limits** for the Central and State governments.
2. It evaluates the functioning of the **Reserve Bank of India (RBI)** in terms of **monetary policy performance**.
3. It makes recommendations for **augmenting state finances** for **rural and urban local bodies**.

How many of the above statements is/are correct?

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

33) Consider the following statements regarding the Colombo Process and its associated institutions:

1. The **International Organisation for Migration (IOM)** serves as the **Secretariat** for the **Colombo Process**.
2. The Process includes both **labour-sending** and **labour-receiving countries** from Asia.
3. It promotes **bilateral labour agreements** and **best practices** through **thematic working groups**.

How many of the above statements is/are correct?

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

34) Consider the following statements regarding Eco-Sensitive Zones (ESZs):

1. They are notified under the **Forest (Conservation) Act, 1980**.
2. They serve as **transition zones** between areas of higher and lower **ecological protection**.
3. The **Environment (Protection) Act, 1986** empowers the central government to declare such zones.

How many of the above statements is/are correct?

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

35) Which of the following best explains the core reason LiDAR (Light Detection and Ranging) is superior to passive remote sensing in dense forest regions?

- a) It can penetrate **soil layers** to detect sub-surface structures.
- b) It uses **GPS triangulation** to map underground aquifers.
- c) It emits its own energy and captures **terrain data** even through **vegetation gaps**.
- d) It measures **magnetic field anomalies** for geophysical mapping.

36) Which of the following best explains why neutrinos are difficult to detect despite their abundance in the universe?

- a) They travel **faster than light** and escape detectors.
- b) They carry a **strong negative charge**, neutralizing detector signals.
- c) They interact **extremely weakly with matter** due to

being **chargeless**.

d) They constantly **decay into photons** before reaching Earth.

37) Why do nanobubbles offer a significant advantage in water purification compared to conventional air bubbles?

- a) Their **neutral buoyancy** allows **prolonged interaction** with contaminants.
- b) They can be visualized easily under **standard light microscopy**.
- c) They are **positively charged** and attract **heavy metals** in water.
- d) They **rise quickly** to the surface, expelling pollutants.

38) India's participation in the Minerals Security Finance Network (MSFN) is most strategically aligned with which of the following goals?

- a) Establishing lithium refining facilities within India
- b) Securing **climate-resilient agriculture** through **mineral-based fertilizers**
- c) Promoting **rare earth exports** to **East Asian markets**
- d) Ensuring **critical mineral supply chains** for **green and digital transitions**

39) Consider the following statements regarding the jurisdiction of the International Criminal Court (ICC):

1. The **ICC** can try individuals for **genocide, crimes against humanity, and war crimes**.
2. It has authority to prosecute **states** that violate **human rights treaties**.
3. It can prosecute **crimes committed by nationals** of member states even **outside their territory**.

How many of the above statements are correct?

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

40) Consider the following statements regarding ASEAN: Statement-I: ASEAN has played a limited role in resolving the Myanmar political crisis.

Statement-II: ASEAN's consensus-based approach and non-interference policy restrict its capacity to enforce political solutions.

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

41) Consider the following statements:

Statement-I: Vietnam and the Philippines are some of the most **typhoon-prone countries** in the world.

Statement-II: Their location in the Western Pacific Typhoon Basin exposes them to frequent **low-pressure systems** originating from the **Atlantic Ocean**.

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

42) Match the Arctic region with its monsoon impact zone in India:

Arctic Region	Indian Monsoon Impact Zone
A. Central Arctic Ice Loss	1. Weak teleconnection with Indian monsoon
B. Barents-Kara Sea melt	2. Increased rainfall in central/northern India
C. Greenland Ice melt	3. Decreased rainfall in central and northwest India

Select the correct code:

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

43) Which of the following statements about NREGA are correct?

- 1. It is a **demand-driven employment scheme**.
- 2. Work under NREGA must be provided within **30 days** of registration.
- 3. The Act applies across all **rural districts** of India.
- 4. **Gram Panchayats** play a central role in **planning and implementation**.

Select the correct answer code:

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

44) Consider the following statements regarding NaBFID (National Bank for Financing Infrastructure and Development)'s role in India's financial and development landscape:

- 1. It works under the **Ministry of Finance** and is exempted from **CRR and SLR norms**.
- 2. It can issue both **tax-free** and **taxable bonds** for infrastructure financing.
- 3. It is a key component of the **National Infrastructure Pipeline (NIP)**.
- 4. It undertakes direct **construction of public infrastructure** like **highways and dams**.

Which of the above statements is/are correct?

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

45) Consider the slogan, implementing department, and intended outcome under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY):

Slogan/Component	Department	Intended Outcome
A. Har Khet Ko Pani	1. Ministry of Jal Shakti	i. Expansion of irrigation coverage
B. Per Drop More Crop	2. Dept. of Agriculture & Farmers Welfare	ii. Improved water productivity
C. Watershed Component	3. Ministry of Rural Development	iii. Soil-moisture retention in drylands

How many of the above are correctly matched?

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

46) Which of the following are potential consequences of a GPS spoofing attack?

- 1. **Aircraft** may be redirected to **incorrect coordinates** during **autopilot navigation**.
- 2. **Banks** may face **real-time transaction failure** due to **time drift** in GPS.
- 3. **Naval vessels** may misidentify their location, violating **territorial waters**.
- 4. **Cyber attackers** may gain **root access to GPS satellites** through spoofing.

How many of the above statements is/are correct?

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

47) Consider the following statements regarding Type 5 Diabetes:

- 1. It typically affects individuals with **high BMI** and **sedentary lifestyles**.
- 2. It mimics symptoms of **Type 1 Diabetes** but differs in **insulin response**.
- 3. It is largely prevalent in parts of **Africa** and **South Asia**.

How many of the above statements are correct?

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

48) Which of the following best explains the significance of AQUASTAT in global water governance?

- a) It regulates **international water treaties** under the **UN Convention on Watercourses**.
- b) It acts as a centralized **financial fund** for **water infrastructure** in developing countries.
- c) It serves as a **global open-access database** for **water resources** and agricultural water use.
- d) It enforces **groundwater withdrawal limits** through **FAO compliance protocols**.

49) Which of the following best describes the long-term goal of the National Quantum Mission (NQM)?

- a) To build **scalable quantum systems** ranging from **50 to 1000 qubits**
- b) To develop globally competitive **5G and 6G communication systems**
- c) To launch **India's first full-scale space-based quantum satellite**
- d) To replace **classical computing architectures** with **photonic-based systems**

50) Consider the following statements about Ironwood TPU (Tensor Processing Unit), recently in news:

- 1. It is a **general-purpose microprocessor** used in **Android phones**.
- 2. It supports **Google's AI workloads** through **Google Cloud infrastructure**.
- 3. It offers **higher energy efficiency** than **CPU** (Central Processing Units) and **GPU** (Graphics Processing Units) for **AI-specific tasks**.

How many of the above statements is/are correct?

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