

# WEEKLY QUIZ

**DATE : 21<sup>st</sup> April – 27<sup>th</sup> 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