

# WEEKLY QUIZ

DATE : 31<sup>st</sup> March- 6<sup>th</sup> April

**1) Consider the following statements regarding Article 293 of the Indian Constitution:**

1. The Centre can impose conditions on loans granted to states.
2. A State can borrow externally with the prior consent of the Union.
3. States can borrow on the security of their Consolidated Fund.

**How many of the above statements is/are correct?**

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

**2) Consider the following statements about the core and buffer zones of tiger reserves:**

1. The buffer zone is primarily created to minimize human-tiger conflict.
2. The core zone allows regulated eco-tourism activities for revenue generation.
3. The core zone is the critical tiger habitat and is given the highest protection status.

**How many of the above statements is/are incorrect?**

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

**3) What is a key feature of Recirculating Aquaculture Systems (RAS)?**

- a) Requires extensive use of antibiotics to ensure water quality
- b) Depends on natural water bodies for filtration
- c) Allows free-flowing water in open ponds
- d) Utilizes mechanical and biological filtration to recycle water

**4) Consider the following statements regarding biofuels derived from rice straw:**

1. Biofuels reduce reliance on fossil fuels by using renewable resources.
2. Bioethanol and biogas are examples of fuels derived from rice straw.
3. The process of biofuel production completely eliminates greenhouse gas emissions.

**How many of the above statements is/are correct?**

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

**5) Consider the following statements about small-scale technologies to manage rice straw:**

1. Composting improves soil fertility by converting rice straw into organic manure.
2. Mushroom cultivation using rice straw offers farmers an additional income source.
3. Soil incorporation of rice straw enhances water retention capacity.

**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 Coal India Limited (CIL):**

1. It is the world's largest single coal producer.
2. It produces around 80% of India's overall coal production.
3. It was conferred the 'Green World Environment Award 2024' in the CSR category.

**How many of the above statements is/are correct?**

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

**7) Consider the following statements about how PM Vidyalaxmi differs from other schemes:**

1. It offers interest subvention only for NAAC-accredited institutions.
2. The scheme simplifies loan applications through the Vidyalaxmi portal.
3. Eligible institutions are selected based on NBA rankings.

**Which of the above statements is/are correct?**

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

**8) Consider the following statements regarding the significance of Central Value Added Tax (CENVAT):**

1. It simplifies the taxation system for manufacturers and service providers.
2. It increases the overall cost of goods and services due to additional compliance.
3. It encourages reinvestment in production and innovation by reducing tax burdens.

**Which of the above statements is/are correct?**

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

**9) What is the primary cause of the rapid decline in Dead Sea water levels?**

- a) Diversion of water to surrounding agricultural lands
- b) Overfishing and ecological imbalance
- c) Restricted tributary flow and high evaporation rates
- d) Increased salinity

**10) Consider the following statements regarding the FRBM Act, 2003, and its amendments:**

- 1. The FRBM Act was enacted to eliminate the revenue deficit and reduce the fiscal deficit.

**11) Consider the following statements regarding Armed Forces (Special Powers) Act (AFSPA):**

- 1. AFSPA was enacted to address public order issues in disturbed areas.
- 2. AFSPA is applicable in all northeastern states of India.
- 3. The law permits armed forces to open fire after due warning if laws are contravened.

**How many of the above statements is/are incorrect?**

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

**12) Consider the following statements regarding the role of the International Atomic Energy Agency (IAEA) in non-proliferation:**

- 1. It conducts regular inspections of nuclear facilities globally.
- 2. It supervises nuclear weapon disarmament initiatives.
- 3. It ensures compliance with all nuclear-related UN Security Council resolutions.

**Which of the above statements is/are correct?**

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

**13) Which of the following species is endemic to the Nilgiri Biosphere Reserve?**

- a) Bengal Tiger
- b) Olive Ridley Turtle
- c) Great Indian Bustard
- d) Star-eyed Bush Frog

**14) Consider the following statements about the impact of pathogen spillover:**

- 1. Managed honey bees are unaffected by pathogen spillover in shared habitats.
- 2. Pathogen spillover improves the biodiversity of wild pollinator species by natural selection.
- 3. Pathogen spillback from wild pollinators often results in the eradication of diseases in managed honey bees.

**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 International Energy Efficiency Hub (IEEH):**

- 1. It succeeded the International Partnership for Energy Efficiency Cooperation (IPEEC).
- 2. It focuses exclusively on financing energy efficiency projects for developing countries.
- 3. India's participation in IEEH is facilitated by the Bureau of Energy Efficiency (BEE).

- 2. States are not required to enact their own fiscal responsibility laws under the FRBM framework.
- 3. The FRBM Amendment Act, 2018, set a combined debt target of 60% of GDP for the Centre and States.

**Which of the above statements is/are correct?**

- a) 1 and 2 only
  - b) 1, 2 and 3
  - c) 2 and 3 only
  - d) 1 and 3 only
- 4. Joining the IEEH aligns India's national initiatives with global energy efficiency efforts.

**Which of the above statements is/are correct?**

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

**16) Which of the following characteristics makes hypersonic missiles difficult to intercept?**

- a) Conventional propulsion systems
- b) High payload capacity
- c) Subsonic speeds
- d) Mid-flight manoeuvrability

**17) Consider the following statements regarding the characteristics of the Oriental Pied Hornbill:**

- 1. It is the largest hornbill species found in Asia.
- 2. It is highly adaptable and widespread across its range.
- 3. It is known as a 'forest engineer' due to its role in seed dispersal.
- 4. It primarily inhabits subtropical and tropical moist lowland forests.

**How many of the above statements is/are correct?**

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

**18) Consider the following statements regarding the borrowing powers of the Union and State governments:**

- 1. The Union government can borrow funds without any restriction on the source of borrowing.
- 2. The State government can borrow within the territory of India but needs prior consent from the Centre if it owes outstanding loans to the Union.
- 3. The borrowing powers of both the Union and States are subject to laws enacted by their respective legislatures.

**How many of the above statements is/are incorrect?**

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

**19) Consider the following statements regarding the procedure for notification of tiger reserves in India:**

- 1. Only the NTCA can notify a tiger reserve under the Wildlife Protection Act, 1972.
- 2. The core zone of a tiger reserve allows sustainable human habitation and activities.
- 3. The state government submits the proposal to the NTCA for evaluation and approval.

**Which of the above statements is/are correct?**

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

**20) Consider the following statements about World Anti-Doping Agency (WADA):**

1. WADA is funded entirely by the International Olympic Committee (IOC).
2. The World Anti-Doping Code standardizes anti-doping rules globally.
3. WADA focuses solely on conducting doping tests during international sporting events.

**Which of the above statements is/are correct?**

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

**21) Consider the following statements regarding the Technology Innovation Group (TIG) on 6G in India:**

1. The TIG was established to lay a roadmap for the development of 6G technology in India.
2. The group includes task forces specifically focused on international standards and funding for R&D.
3. TIG aims primarily at establishing 6G devices and networks for India without prioritizing global collaboration.

**How many of the above statements is/are incorrect?**

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

**22) Consider the following statements about lightning rods and their mechanisms:**

1. The earth acts as a ground for lightning rods due to its low electric potential.
2. Lightning rods ionize the surrounding air, creating a conductive path for the discharge.
3. Franklin rods and Early Streamer Emission (ESE) rods function on the same principle of attracting lightning strikes.

**How many of the above statements is/are correct?**

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

**23) Consider the following statements regarding the Bharat 6G Alliance:**

1. The Bharat 6G Alliance is a collaborative effort involving India's domestic industry, academia, and research institutions.
2. The alliance aims to support the development of 6G technologies and advance India's 5G ecosystem.
3. The alliance solely focuses on domestic innovation and is not aligned with any global 6G alliances.

**How many of the above statements is/are correct?**

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

**24) Consider the following statements regarding India's National Action Plan (NAP) for Antimicrobial Resistance (AMR):**

1. It was launched by the Ministry of Health and Family Welfare.
2. NAP-AMR focuses on strengthening AMR surveillance and research capacity.
3. It advocates a multisectoral approach, including human and environmental health.

4. The plan mandates the reduction of antibiotic use in livestock farming.

**Which of the above statements is/are correct?**

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

**25) Which of the following is NOT a criterion for identifying D-SIBs in India?**

- a) Interconnectedness within the financial system
- b) Size relative to GDP
- c) Profitability ratios
- d) Cross-jurisdictional activity

**26) Under the Armed Forces (Special Powers) Act (AFSPA), an area can be declared "disturbed" by:**

- a) The Chief Minister of the State
- b) The Chief Justice of the High Court
- c) The Governor of the State, the Central Government, or the UT Administrator
- d) The President of India only

**27) Hard corals differ from soft corals in which of the following ways?**

- a) Hard corals are solitary organisms, while soft corals form colonies.
- b) Hard corals lack zooxanthellae, while soft corals rely on them.
- c) Hard corals are non-reef-building, while soft corals build reefs.
- d) Hard corals have limestone skeletons, while soft corals do not.

**28) Consider the following statements about India's initiatives to tackle Antimicrobial Resistance (AMR):**

1. AMR Surveillance and Research Network (AMRSN) was established to monitor resistance in both human and veterinary sectors.
2. National One Health Mission focuses to combat zoonotic diseases and AMR.
3. National guidelines for infection control and antibiotic use were developed by the National Centre for Disease Control (NCDC).

**Which of the above statements is/are correct?**

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

**29) Consider the following statements about Armed Forces (Special Powers) Act (AFSPA) immunity provisions:**

1. Personnel of the armed forces cannot be prosecuted for actions under AFSPA without Union Government approval.
2. The immunity extends to all acts committed by armed forces personnel, whether or not they are related to AFSPA.
3. Judicial review of AFSPA-related actions is prohibited by law.
4. Civilian complaints against actions under AFSPA can only proceed after the Union Government's sanction.

**How many of the above statements is/are correct?**

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

**30) Consider the following statements about coral reefs:**

1. Coral reefs are found only in tropical regions due to warm water conditions.
2. Corals can survive long term without zooxanthellae under normal conditions.
3. Coral bleaching occurs when corals expel zooxanthellae due to stress factors like rising temperatures.

### How many of the above statements is/are incorrect?

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

### 31) Consider the following statements about Integrated Coastal Zone Management (ICZM):

1. It is funded by the Global Environment Facility (GEF) through the United Nations.
2. It involves scientific mapping of erosion, biodiversity, and pollution along coasts.

### Which of the above statements is/are correct?

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

### 32) Which of the following international conventions is most relevant for India's efforts supported by the proposed Heritage Repatriation Fund?

- a) Convention on the Means of Prohibiting and Preventing the Illicit Import, Export and Transfer of Ownership of Cultural Property, 1970
- b) Vienna Convention on Diplomatic Relations, 1961
- c) Convention on Biological Diversity, 1992
- d) Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict, 1954

### 33) Consider the following statements about Silvaguard, the wildfire detection and suppression system that was unveiled recently:

1. It uses underwater drones to monitor temperature and moisture levels in lakes near forests.
2. It operates autonomously and can detect fires before they are visible to satellites.
3. It is integrated with an IoT-based forest monitoring system for early alerts.

### How many of the above statements are correct?

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

### 34) Which of the following best characterizes the operational capability of the Nag Missile System (NAMIS)?

- a) Air-to-air missile designed for dogfights in contested airspace
- b) Precision-guided standoff missile launched from naval platforms
- c) Surface-to-air missile with multi-target tracking capability over long ranges
- d) Third-generation fire-and-forget anti-tank missile integrated on a tracked vehicle

### 35) Consider the following statements regarding Maasai Tribe:

**Statement-I:** The Maasai are classified as one of the most ecologically integrated pastoralist communities in East Africa.

**Statement-II:** Their traditional territory spans desert basins and salt flats of the Horn of Africa.

### Which one of the following is correct?

- 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 but 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

### 36) Exercise Prachand Prahaar is strategically significant because:

- a) It is the first joint naval exercise conducted in the Indian Ocean with ASEAN countries.

- b) It was conducted in desert terrain to test long-range missile deployment.
- c) It validates tri-service jointness and multi-domain warfare in high-altitude environments.
- d) It tested India's cyber resilience and space-based economic infrastructure.

### 37) Consider the following statements regarding Vikramashila University:

1. Vikramashila was located in present-day Nepal.
2. It declined under the patronage of the Mughal Empire.
3. The primary medium of instruction was Pali.

### Which of the above statements is/are correct?

- a) 1 only
- b) 2 and 3 only
- c) None
- d) 1 and 3 only

### 38) Consider the following statements:

**Statement I:** The Blue Economy Policy promotes deep-sea fishing to maximize marine resource exploitation.

**Statement II:** Sustainable extraction and conservation are core tenets of India's Blue Economy vision.

### 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

### 39) Consider the following statements regarding Vikramashila Mahavihara:

1. It was founded by King Dharmapala of the Pala dynasty.
2. It became prominent during the Gupta Empire.
3. It was primarily known through Persian and Arab travelers' accounts.

### How many of the above statements is/are correct?

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

### 40) With reference to International Fund for Animal Welfare (IFAW)'s operations and mission, consider the following statements:

1. It works only in national parks declared by the United Nations Environment Programme.
2. IFAW promotes coexistence strategies between wildlife and local communities.
3. IFAW supports legal policy reforms in animal trafficking and rescue operations.

### How many of the above statements is/are correct?

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

### 41) Match the term with its correct description:

Term	Description
<b>A. Xenotransplantation</b>	3. Organ transplantation from one species to another
<b>B. Auxiliary transplant</b>	2. Partial functional support without full replacement

### C. CRISPR

1. A gene-editing tool for modifying animal DNA

#### Select the correct answer code:

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

#### 42) Match the Indian disaster relief operations with their respective contexts:

Operation	Context
<b>A. Operation Brahma</b>	2. Earthquake relief in Myanmar, 2025
<b>B. Operation Maitri</b>	1. Nepal earthquake response, 2015
<b>C. Operation Dost</b>	4. Earthquake response in Turkey and Syria, 2023
<b>D. Operation Sahayata</b>	3. Flood and cyclone relief in Sri Lanka

#### Select the correct code:

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

#### 43) Consider the following statements about heatwaves in India:

1. IMD defines a heatwave only when the maximum temperature exceeds 45°C, regardless of baseline averages.
2. The Wet Bulb Globe Temperature (WBGT) is unrelated to humidity and focuses only on solar radiation.
3. Heatwave-related mortality often disproportionately affects urban informal workers and elderly populations.

#### 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 Biodiversity Heritage Sites (BHS):

1. Only national parks and wildlife sanctuaries can be declared as BHS.
2. A BHS can be proposed by local Panchayats or Biodiversity Management Committees.
3. A site must contain endemic or threatened species to qualify as a BHS.

#### 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

#### 45) Consider the following statements about Myanmar's geography:

1. Myanmar shares a maritime boundary with India in the Andaman Sea.
2. Myanmar shares its longest international land border with Thailand.

#### Which of the above statements is/are correct?

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

#### 46) Which of the following statements about judicial asset declaration and transparency in India are correct?

1. The RTI Act explicitly excludes judges from its definition of "public authority."
2. The Judicial Standards and Accountability Bill proposed making asset declarations public and mandatory.

#### Select the correct answer code:

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

#### 47) Consider the following statements:

1. India's National Disaster Management Plan classifies heatwaves as a low-priority hazard.
2. Wet bulb temperatures below 30°C are considered dangerous for human survival.
3. All Indian states follow a uniform Heat Action Plan framework.

#### Which of the above statements is/are correct?

- a) 1 and 2 only
- b) 3 only
- c) 1 and 3 only
- d) None

#### 48) Why is the Kasampatty Sacred Grove significant in the context of biodiversity governance in India?

1. It is the first private forest reserve in Tamil Nadu under the Forest Rights Act.
2. It is the first site declared under the Wildlife Protection Act exclusively for endemic species.
3. It is Tamil Nadu's second Biodiversity Heritage Site declared under the Biological Diversity Act, 2002.
4. It is a UNESCO-recognized agroforestry landscape.

#### 49) Which of the following best explains why Myanmar is prone to frequent and intense earthquakes?

1. It lies entirely on a stable continental shield.
2. It is located near the triple junction of the African, Eurasian, and Pacific plates.
3. It is traversed by an active strike-slip fault resulting from Indian-Eurasian plate interaction.
4. It experiences earthquakes due to extensive volcanic activity across its terrain.

#### 50) Consider the following statements about Biodiversity Heritage Sites (BHS):

1. Once declared, BHS are governed under the Forest Rights Act by the Gram Sabha.
2. Sacred groves with spiritual value alone cannot qualify as BHS.
3. State Biodiversity Boards are key institutions involved in declaring BHS.

#### How many of the above statements is/are correct?

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