

WEEKLY QUIZ

DATE : 13th Jan- 18th Jan

1) Which of the following are roles of the Pay Commission in India?

1. Reviewing salary structures of central government employees.
2. Recommending pension revisions for retired employees.
3. Addressing wage disparities between central and state employees.
4. Proposing financial sustainability measures for salary revisions.

Select the correct answer:

- a) 1, 2, and 4 only
- b) 1, 3, and 4 only
- c) 2, 3, and 4 only
- d) All of the above

2) What is the primary objective of Bharat Ranbhoomi Darshan?

- a) To document the historical significance of forts and palaces in India.
- b) To promote eco-tourism in border areas.
- c) To enhance awareness of India's military history and valor.
- d) To facilitate international tourism through visa-on-arrival schemes.

3) Consider the following statements:

Statement I: SpaDeX makes India the first nation to demonstrate in-orbit satellite docking.

Statement II: SpaDeX supports future human spaceflight and satellite servicing missions.

Which 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, 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

4) Which of the following best describes Di-chloro-di-phenyl-tri-chloro-ethane (DDT)'s environmental impact?

- a) Rapid degradation in soil, preventing long-term contamination.
- b) Highly soluble in water, causing widespread contamination of aquatic systems.
- c) Persistent organic pollutant that bioaccumulates in the food chain.
- d) Short-lived pesticide with minimal ecological effects.

5) What is the primary aim of the Fast Track Immigration – Trusted Traveller Programme (FTI-TTP)?

- a) To facilitate visa-free travel for Indian citizens to select countries.
- b) To enhance immigration clearance through automated e-gates for faster processing.
- c) To integrate all immigration systems into a centralized national database.
- d) To implement biometric verification for all international travelers at departure only.

6) Consider the following statements regarding the Third Launch Pad at Sriharikota:

1. It will act as a backup for the Second Launch Pad.

2. It is exclusively meant for launching NGLVs and human spaceflight missions.

3. It is equipped to handle satellite docking experiments like SpaDeX.

How many of the above statements are correct?

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

7) Bharathapuzha River originates from which of the following regions?

- a) Nilgiri Hills
- b) Western Ghats, near Agumbe
- c) Anaimalai Hills
- d) Palani Hills

8) Match the battlefield sites with their historical significance:

Battlefield	Historical Significance
a) Longewala	1. Site of the 2020 India-China clash
b) Nathu La	2. Major battle site during Indo-Pak War
c) Galwan	3. Strategic location connecting Sikkim
d) Doklam	4. Tri-junction between India, Bhutan

Select the correct match:

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

9) Consider the following statements about India's performance in the QS World Future Skills Index 2025:

1. India ranked in the top 10 for overall preparedness.
2. India's weakest category was Future of Work.
3. The rankings focus exclusively on technical skills like AI and robotics.

How many of the above statements are correct?

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

10) Consider the following statements about Di-chloro-di-phenyl-tri-chloro-ethane (DDT):

1. DDT is a fat-soluble compound, leading to its accumulation in higher organisms.
2. It was primarily banned due to its harmful effects on soil fertility.
3. DDT's degradation in soil can take several decades.

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 statements are incorrect?

1. It applies only to entities involved in nuclear or defense technologies.
2. Entities can be added to the list for activities counter to U.S. foreign policy.
3. Inclusion in the list requires congressional approval.

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

12) How many of the following statements are correct?

1. It allowed the free movement of goods and people across the border without restrictions.
2. It mandated the construction of permanent fencing along the entire border.
3. It resolved the dispute over the Tin Bigha Corridor.

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

13) How many of the following statements are correct?

1. It is equipped with Air Independent Propulsion (AIP) technology from inception.
2. It enhances India's underwater deterrence capabilities.
3. It is the final submarine under Project 75.

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

14) Which of the following best describes the concept of "Blood Money" (Diya) under Islamic Sharia law?

- a) A mandatory state-imposed fine for all criminal offenses.
- b) A form of penalty exclusively for crimes against property.
- c) Compensation paid by the offender to the victim or their family in cases of unintentional or intentional homicide.
- d) A fixed sum determined by international human rights law.

15) What is the primary goal of the "One Rocket, Two Missions" initiative?

- a) To showcase the capabilities of private-sector companies in lunar exploration.
- b) To explore the lunar South Pole using a single spacecraft.
- c) To reduce the cost of interplanetary missions by using a reusable rocket system.
- d) To establish a permanent human presence on the Moon.

16) What is the primary objective of germinating lobia seeds in microgravity aboard ISRO's Compact Research Module for Orbital Plant Studies (CROPS)?

- a) To develop genetically modified seeds for terrestrial use.
- b) To evaluate seed resistance to cosmic radiation.
- c) To test plant growth under extraterrestrial atmospheric conditions.
- d) To study the effects of gravitational variations on plant biochemistry.

17) Which of the following is a key objective of the US AI Export Rule?

- a) To control the diffusion of advanced AI capabilities to adversarial nations.
- b) To ensure unrestricted global access to AI technologies.
- c) To ban the export of all AI hardware regardless of the importing country.
- d) To encourage unrestricted AI technology exchange within Tier 2 countries.

18) Which of the following accurately describes the concept of Nator Land?

- a) Privately owned barren land leased to the government for developmental purposes.
- b) Government-owned wasteland allotted for cultivation or productive use.
- c) Land acquired by local communities through traditional rights and usage.
- d) Reserved forest land converted into agricultural zones.

19) How many of the following statements are correct?

1. The experiment required a fully automated hydroponic system.
2. Lobia seeds were selected due to their naturally short lifecycle and rapid growth.
3. The experiment was conducted to test plant survival without sunlight.

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

20) What was the primary objective of the 1975 Indo-Bangladesh Joint Agreement?

- a) To establish guidelines for maintaining peace and cooperation along the border.
- b) To demarcate the maritime boundary between India and Bangladesh.
- c) To facilitate the exchange of enclaves between the two nations.
- d) To resolve disputes over river water sharing.

21) Consider the following statements about turmeric exports from India:

1. India dominates the global turmeric market with over 60% share in exports.
2. The USA is India's largest turmeric export destination.
3. India does not import turmeric as it is self-sufficient in production.

How many of the above statements is/are correct?

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

22) The first private satellite constellation launched by Pixxel aims to achieve which of the following objectives?

1. Hyperspectral imaging for resource management.
2. Precision agriculture through detailed crop analysis.
3. Monitoring global carbon emissions using synthetic aperture radar (SAR).
4. Enhancing military surveillance capabilities globally.

Select the correct answer using the codes given below:

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

23) Consider the following statements regarding the composition of the Atomic Energy Commission (AEC):

1. The Secretary of the Department of Atomic Energy is the Chairperson of the AEC.
2. It includes eminent scientists and key ex-officio members from various government departments.
3. The Prime Minister of India serves as the ex-officio President of the AEC.

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 the significance of Armed Forces Veterans Day:

1. It strengthens the bond between veterans and serving personnel.
2. It promotes the integration of retired personnel into civilian roles.
3. It marks the day when the first war memorial for Indian soldiers was inaugurated.

Which of the above statements are correct?

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

25) Which of the following functions are carried out by the India Meteorological Department (IMD)?

1. Issuing disaster warnings for cyclones, floods, and heatwaves.
2. Conducting research on climate change impacts on agriculture.
3. Monitoring earthquakes and issuing alerts.
4. Operating India's Doppler Weather Radar network.

How many of the above statements is/are correct?

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

26) Which of the following international treaties or agreements is India not a part of, despite the Atomic Energy Commission's involvement in international nuclear diplomacy?

- a) Treaty on the Non-Proliferation of Nuclear Weapons (NPT)
- b) Convention on Nuclear Safety (CNS)
- c) Joint Convention on the Safety of Spent Fuel Management
- d) Vienna Convention on Civil Liability for Nuclear Damage

27) The Kumani Bank Mud Volcano, recently in news, is located in which of the following regions?

- a) Arabian Sea
- b) Bay of Bengal
- c) Black Sea
- d) Caspian Sea

28) Which of the following is a unique function of the National Turmeric Board that differentiates it from similar commodity boards?

- a) Providing subsidies to turmeric farmers.
- b) Enhancing logistics for turmeric export.
- c) Promoting research on turmeric-based nutraceuticals.
- d) Creating storage facilities for turmeric in every turmeric-growing state.

29) Consider the following statements regarding the India Meteorological Department (IMD):

1. IMD operates under the Ministry of Earth Sciences.
2. It is the only Indian agency responsible for satellite-based weather data collection.
3. IMD provides real-time weather data to various sectors, including aviation and shipping.

Which of the above statements are correct?

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

30) Consider the following statements regarding the objectives of the Atomic Energy Commission (AEC):

1. To promote research in nuclear science for peaceful purposes.
2. To regulate the disposal of nuclear waste in India.
3. To oversee the development of nuclear power plants.

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 is a key feature of Mission Mausam?

- a) Deployment of advanced weather observation radars and satellites
- b) Preservation of ancient maritime trade routes
- c) Creation of a unified global climate change treaty
- d) Establishment of an exclusive task force for disaster response

32) Which of the following are features of Diego Garcia Island?

1. It is located south of the equator in the Indian Ocean.
2. It serves as a key refueling and logistics hub for U.S. naval operations.
3. It is uninhabited except for military personnel and contractors.
4. It is home to one of the largest coral reefs in the world.

Select the correct answer:

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

33) What is the primary significance of the Purulia Observatory for India's scientific research?

- a) It advances India's capabilities in radio astronomy and exoplanet studies.
- b) It helps integrate India into global networks for transient astronomical observations.
- c) It enables satellite tracking and space debris monitoring.
- d) It provides a unique facility for studying the Earth's magnetosphere.

34) Which of the following factors primarily contributes to the formation of sadsa landscapes?

- a) Volcanic eruptions leading to basaltic layers
- b) Erosion and weathering of lateritic soils over centuries
- c) Deposition of alluvial sediments during monsoons
- d) Glacial activity in the past geological eras

35) Consider the following statements about the PKC River Link Project:

1. It diverts water exclusively for drinking water supply.
2. It completely avoids any impact on wildlife habitats.
3. It is a transboundary project involving India and Bangladesh.

How many of the above statements is/are correct?

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

- 36)** Which of the following features makes Ranthambore Tiger Reserve unique among India's tiger reserves?
- It contains the Great Boundary Fault, where the Aravalis meet the Vindhya.
 - It is located at the confluence of two major river systems.
 - It is the only tiger reserve in India with a saline lake ecosystem.
 - It is home to the largest population of Royal Bengal Tigers in India.

- 37)** What is the primary geopolitical significance of the Gaza Truce Deal?
- It resolves the longstanding territorial dispute between Israel and Palestine.
 - It leads to the immediate withdrawal of all foreign forces from Gaza.
 - It highlights the shifting role of Middle Eastern nations in global diplomacy.
 - It establishes a new governance framework for Gaza under international oversight.

- 38)** Consider the following statements about rat-hole mining:
- It is primarily conducted in the Western Ghats region of India.
 - Modern machinery is used extensively to improve efficiency.
 - It is considered a sustainable method of coal extraction.
- How many of the above statements is/are correct?

- Only one
- Only two
- All three
- None

- 39)** Which of the following accurately describes the Nag Mk-2 missile?
- A laser-guided missile with underwater strike capabilities
 - A fire-and-forget anti-tank guided missile with advanced imaging systems
 - A cruise missile designed for air-to-ground operations
 - A ballistic missile with a hypersonic propulsion system

- 40)** Consider the following statements about Mission Mausam:
- It focuses on reviving ancient maritime networks in the Indian Ocean region.
 - It is led by the Ministry of Tourism to promote cultural exchange.
 - It includes provisions for a dedicated disaster response unit under the Ministry of Earth Sciences.
- How many of the above statements is/are correct?

- Only one
- Only two
- All three
- None

- 41)** Which of the following properties of pink fire retardant primarily contributes to its effectiveness in wildfire suppression?
- High water retention capacity
 - Reflective properties to reduce heat absorption
 - Thermal insulation of vegetation
 - Oxygen-blocking chemical coating

- 42)** Consider the following statements about De-notified Tribes (DNTs):
- They were denotified after the Criminal Tribes Act was repealed.
 - The Idate Commission recommended a sub-quota for DNTs under the SC/ST/OBC categories.

- All De-notified Tribes in India are classified under the Scheduled Tribes (ST) category.

- How many of the above statements is/are incorrect?
- Only one
 - Only two
 - All three
 - None

- 43)** Consider the following statements about the functions of the UN Committee of Experts on Big Data and Data Science for Official Statistics:
- It facilitates collaboration among countries to address data gaps.
 - It operates under the United Nations Economic and Social Council (ECOSOC).
 - It develops innovative methodologies for integrating big data into national statistical systems.
 - It directly funds big data projects in developing countries to improve data collection capabilities.

- How many of the above statements is/are correct?
- Only one
 - Only two
 - Only three
 - All four

- 44)** Which of the following best describes the primary advantage of Small Language Models (SLMs) over Large Language Models (LLMs)?
- Higher accuracy in solving complex tasks
 - Wider applicability across diverse domains
 - Better performance in multi-task learning
 - Lower computational requirements and better scalability

- 45)** Consider the following statements about the Hoollongapar Gibbon Wildlife Sanctuary:
- It is situated along the Brahmaputra River in Assam.
 - The sanctuary is home to India's only ape species, the Hoolock Gibbon.
 - It is a natural habitat for nocturnal primates like the Bengal Slow Loris.

- How many of the above statements is/are correct?
- Only one
 - Only two
 - All three
 - None

- 46)** Consider the following statements about the Dhruv Mk-III Helicopter:
- It is equipped with advanced avionics, including glass cockpit systems.
 - It is primarily used for attack operations in the Indian Army.
 - It includes a fully automated weapon targeting system.

- How many of the above statements is/are correct?
- Only one
 - Only two
 - All three
 - None

- 47)** Consider the following statements about the environmental significance of bacterial plasticizer degradation:
- It reduces carcinogenic plasticizer contamination in water bodies.

2. It prevents the release of microplastics into the environment.
3. It supports the development of biotechnological solutions for waste management.
4. It eliminates all harmful by-products of plastic degradation.

How many of the above statements is/are correct?

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

48) What is the primary astronomical factor that determines the timing of the Maha Kumbh Mela?

- a) Conjunction of the Sun, Moon, and Mars
- b) Alignment of the Sun, Moon, and Jupiter in specific zodiac signs
- c) Position of Venus in relation to the Moon
- d) The movement of the Earth around its perihelion

49) Consider the following statements about the health and environmental impacts of groundwater contamination:

1. Excess fluoride leads to skeletal fluorosis.
2. Nitrate contamination can cause algal blooms in aquatic ecosystems.

3. Arsenic exposure is associated with kidney damage and skin lesions.
4. Uranium contamination is primarily a result of urban wastewater discharge.

How many of the above statements is/are correct?

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

50) Consider the following statements regarding the Bharat Cleantech Manufacturing Platform:

2. It aims to reduce India's reliance on imports for renewable energy technologies.
3. It provides financial incentives to Indian firms for cleantech manufacturing.
4. It is aligned with India's Nationally Determined Contributions under the Paris Agreement.

How many of the above statements is/are correct?

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

