

WEEKLY QUIZ

DATE : 16th Dec –22nd Dec

1) Consider the following statements about the structure of NITI Aayog:

1. The Vice-Chairperson of NITI Aayog is directly elected by the Parliament.
2. Chief Ministers of states and Union Territories are part of NITI Aayog.
3. Ex-Officio Members include up to four Union Ministers nominated by the Prime Minister. How many of the above statements are correct?
 - a) Only one
 - b) Only two
 - c) All three
 - d) None

2) Which of the following is a unique feature of Libya's water system?

- a) Presence of the Nile River tributaries
- b) Extensive network of perennial rivers
- c) The Great Man-Made River project for water supply
- d) Presence of large natural lakes in the Libyan Desert

3) Consider the following statements:

1. Statement-I: H5N1 is zoonotic and can jump from animals to humans.
2. Statement-II: H5N1 is easily transmissible between humans, leading to widespread outbreaks. 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.

4) Which of the following best defines "Never Events" with respect to the healthcare sector?

- a) Routine medical errors that occur in high-stress healthcare settings
- b) Events requiring extensive post-treatment recovery periods
- c) Complex medical conditions with no available treatment options
- d) Rare, preventable incidents in healthcare resulting in severe consequences

5) What was the primary issue in the Coconut Oil Tax Dispute?

- a) Whether coconut oil should be classified as edible oil or hair oil for taxation
- b) Whether coconut oil is a taxable commodity
- c) Whether the Harmonized System of Nomenclature applies to coconut oil
- d) Whether Kerala is the leading coconut-producing state in India

6) Consider the following statements about the IRIS2 initiative:

1. IRIS2 is a collaborative effort of all United Nations member states.
2. The initiative aims to complement EU programs such as Copernicus and Galileo.
3. It was launched to strengthen Europe's autonomy in space technology.
4. IRIS2's primary focus is on climate observation. How many of the above statements are correct?
 - a) Only one
 - b) Only two
 - c) Only three
 - d) All four

7) Consider the following statements regarding GLP-1 receptor agonists:

1. GLP-1 receptor agonists are primarily used to treat type 1 diabetes.
2. These drugs promote rapid weight gain in individuals with obesity.
3. GLP-1 receptor agonists increase the risk of cardiovascular diseases. Which of the above statements is/are correct?
 - a) Only one
 - b) Only two
 - c) All three
 - d) None

8) What is the significance of Masali village in Gujarat, recently in news?

- a) It is India's first fully solar-powered border village.
- b) It is the first village in Gujarat to achieve 100% electrification.
- c) It is the first village under the PM Kusum Yojana.
- d) It is the first village to implement a hydropower project.

9) Consider the following statements about the Yuga Yugeen Bharat National Museum:

1. It will be the largest museum in the world, spanning across the North and South Blocks in New Delhi.
2. The museum incorporates adaptive reuse of heritage buildings.
3. It focuses exclusively on ancient Indian artifacts.
4. France is collaborating with India to provide expertise in museum design and management. How many of the above statements are correct?
 - a) Only one
 - b) Only two
 - c) Only three
 - d) All four

10) Consider the following statements:

1. Statement-I: Antiviral medications are effective in treating H5N1 infections.
2. Statement-II: Proper cooking of poultry products can eliminate the risk of contracting H5N1. 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.

11) Consider the following statements about National Commission for Minority Educational Institutions (NCMEI):

1. It is a quasi-judicial body with civil court powers.
2. It only addresses religious minorities and excludes linguistic minorities.
3. It provides no-objection certificates to minority educational institutions.

How many of the above statements is/are correct?

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

12) Which of the following is NOT a feature of the Sovereign Gold Bond (SGB) Scheme?

- a) It offers periodic interest at 2.5% per annum.
- b) It provides a substitute for holding physical gold.
- c) It has no risk of capital loss even if gold prices fall.
- d) It is issued by the RBI on behalf of the Government of India.

13) The recent tagging of a Ganges River Dolphin under Project Dolphin aims to:

- a) Monitor the impact of pollutants on their echolocation abilities.
- b) Study their genetic diversity across river systems.
- c) Identify their prey preferences in freshwater ecosystems.
- d) Track their movement, habitat use, and migratory patterns.

14) Consider the following statements about hydrothermal vents:

1. They are formed exclusively in shallow coastal waters with high tectonic activity.
2. Hydrothermal vents emit plumes of hot water rich in minerals like copper, cobalt, and zinc.
3. Organisms living near hydrothermal vents rely on photosynthesis for energy.

Which of the statements given above is/are correct?

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

15) Consider the following statements about sacred groves:

1. Sacred groves are managed and preserved exclusively by state forest departments.
2. They are vital for aquifer recharge due to their association with water bodies.
3. Sacred groves are limited to only tribal communities in India.

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 the functions of National Crime Records Bureau (NCRB):

1. It oversees the Crime and Criminal Tracking Network and Systems (CCTNS) implementation in all police departments.
2. It publishes the annual National Economic Crimes Report.
3. It provides forensic investigation support to law enforcement agencies.

How many of the above statements is/are correct?

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

17) Consider the following statements about Crime and Criminal Tracking Network and Systems (CCTNS):

1. It aims to integrate databases of all law enforcement agencies, including paramilitary forces.
 2. It was implemented under the Ministry of Electronics and Information Technology.
 3. It uses blockchain technology to ensure tamper-proof records of crimes and criminals.
- Which of the above statements is/are correct?

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1, 2, and 3
- d) None of the above

18) Consider the following statements.

1. Statement-I: Human Rated Launch Vehicle Mark-3 (HLVM-3) is a human-rated version of LVM3 developed specifically for the Gaganyaan mission.
 2. Statement-II: Human Rated Launch Vehicle Mark-3 (HLVM-3) includes a Crew Escape System to ensure astronaut safety during all phases of the mission.
- 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.

19) A Joint Parliamentary Committee (JPC) is primarily constituted to:

- a) Enforce the rules of parliamentary proceedings
- b) Monitor the functioning of ministries
- c) Examine specific issues like legislation or policies in detail
- d) Investigate corruption cases

20) Consider the following statements regarding National Commission for Minority Educational Institutions (NCMEI):

1. It has appellate jurisdiction as per Supreme Court rulings.
 2. It operates under the Ministry of Minority Affairs.
- Which of the above statements is/are incorrect?

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

21) Consider the following statements regarding Kisan Kavach:

1. It is a reusable bodysuit for farmers.
 2. It employs nucleophilic hydrolysis to deactivate pesticides.
 3. It is developed by the Biotechnology Research and Innovation Council in collaboration with a private company.
- How many of the above statements is/are correct?

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

22) Which of the following correctly describes the status of cold waves in India?

- a) Cold waves are not included under the National Policy on Disaster Management (NPDM).
- b) Cold waves are declared a natural disaster only in extreme cases.
- c) Cold waves are managed solely at the state level without central classification.

d) Cold waves are included under National Policy on Disaster Management (NPDM), enabling relief measures for affected populations.

23) Consider the following statements about sugar production in India:

1. Maharashtra ranks first in sugarcane production in India.
 2. Sugarcane cultivation requires less water compared to rice and wheat.
 3. The ethanol produced from sugarcane is used as a biofuel.
 4. Sugarcane is cultivated throughout the year in India.
- Which of the above statements is/are correct?

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

24) Which of the following regions is historically known for hosting Wroughton's Free-tailed Bat populations?

- a) Western Ghats
- b) Eastern Ghats
- c) Sunderbans
- d) Andaman Islands

25) Which of the following is not a geographic feature enclosing the Golan Heights?

- a) Sea of Galilee
- b) Wadi Al-Ruqqād
- c) Euphrates River
- d) Yarmūk River

26) Consider the following statements regarding Arctic tundra vegetation:

1. It includes mosses, lichens, and grasses but no shrubs.
2. It is located between 66.5°N and 75°N latitude.
3. It acts as a cooling agent for the Earth by reflecting solar radiation.

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 regarding cold waves in India:

1. Cold waves in India are typically caused by strong western disturbances.
 2. Radiative cooling during nights contributes to a rapid fall in temperature.
 3. Cold waves are common in coastal regions of southern India.
- Which of the above statements is/are correct?

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

28) Consider the following statements regarding Fir Trees (*Abies spectabilis*):

1. Fir trees are primarily found in low-altitude tropical regions.
2. They shed their foliage annually to conserve water during dry seasons.
3. They are commonly found in the mid to high altitudes of the Himalayas.

How many of the above statements is/are correct?

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

29) Which of the following is a defining feature of Neolithic sites in India?

- a) Megalithic burial structures
- b) Painted rock shelters
- c) Extensive iron tools for agriculture
- d) Ash mounds from ritualistic burning

30) Consider the following statements about the Arctic tundra ecosystem:

1. The growing season is extremely short, lasting only a few weeks annually.
2. It supports species such as polar bears, Arctic foxes, and caribou.
3. Permafrost in the tundra is a significant source of carbon emissions.
4. The tundra vegetation is highly resistant to climate change impacts.

Which of the above statements are correct?

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

31) Consider the following statements about Idiopathic Pulmonary Fibrosis (IPF):

1. IPF is caused solely by environmental pollutants like dust and smoke.
2. The disease leads to complications such as pulmonary hypertension and respiratory failure.
3. Genetic predisposition can increase the risk of developing IPF. **How many of the above statements are correct?**

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

32) Which of the following best describes El Niño?

- a) Warming of sea surface temperatures in the eastern Pacific Ocean
- b) Cooling of sea surface temperatures in the eastern Pacific Ocean
- c) Strengthened trade winds leading to oceanic upwelling
- d) Increase in cold currents along the western coast of South America

33) Which of the following is the primary aim of the Credit Guarantee Scheme for e-NWR?

- a) To promote e-commerce platforms for agricultural products
- b) To ensure price stabilization for agricultural commodities
- c) To provide financial support through loans against electronic warehouse receipts
- d) To regulate warehousing standards across India

34) How is Hydroxymethanesulphonate (HMS) primarily formed in the atmosphere?

- a) Direct emission from volcanic activity
- b) Condensation of ammonia with sulphuric acid in the absence of water
- c) Decomposition of sulphur dioxide at high temperatures
- d) Reaction of formaldehyde with sulphite ions in aerosols

35) During La Niña years, India typically experiences which of the following impacts?

- a) Above-normal monsoons and colder winters
- b) Below-normal monsoons and warmer winters
- c) Prolonged droughts and above-average summer heat
- d) Increased cyclonic activity in the eastern Pacific

36) Consider the following statements regarding the impacts of a Triple Dip La Niña:

1. It leads to below-normal monsoons in India for three consecutive years.
2. It results in warmer-than-average winters in northern India.
3. It decreases cyclone activity in the Atlantic Ocean and Australian region. **Which of the above statements is/are correct?**

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

37) **Where is the island of Mayotte located?**

- Between the Maldives and Sri Lanka in the Indian Ocean
- In the Mozambique Channel between Madagascar and Mozambique
- Near the Strait of Hormuz in the Persian Gulf
- In the South China Sea near the Philippines

38) **Consider the following statements regarding the CHARAK Initiative:**

- It is launched under the Corporate Social Responsibility (CSR) mandate.
- The initiative covers both infectious diseases like TB and non-communicable diseases like cardiovascular disorders.
- The scheme also provides free treatment for accidental trauma and burn injuries.

How many of the above statements is/are correct?

- Only one
- Only two
- All three
- None

39) **Consider the following statements regarding the treatment of Idiopathic Pulmonary Fibrosis (IPF):**

- Antifibrotic medications can reverse lung damage caused by IPF.
- Oxygen therapy helps manage symptoms but does not stop disease progression.
- Lung transplantation is considered for advanced stages of the disease. **Which of the statements is/are correct?**

- Only one
- Only two
- All three
- None

40) **Consider the following statements regarding Moldova's geographic and political features:**

- Moldova's landscape is dominated by mountains and high-altitude plateaus.
- Transnistria is an internationally recognized autonomous region within Moldova.
- Moldova is known for its fertile land and temperate continental climate.

Which of the above statements is correct?

- Only one
- Only two
- All three
- None

41) **Consider the following statements regarding Santa Ana winds:**

- Santa Ana winds form due to high-pressure systems over the Pacific Ocean.
- These winds are strongest when funneled through mountain passes.
- They can contribute to the rapid spread of wildfires.

How many of the above statements is/are correct?

- Only one
- Only two
- All three
- None

42) **Consider the following statements regarding the POSH Act, 2013:**

- It applies only to permanent female employees in private organizations.
- Sexual harassment at a workplace is strictly prohibited under the Act.
- Complaints under the Act must be filed within six months of the incident.

- A Local Complaints Committee (LCC) must be constituted in districts without an ICC.

Which of the above statements are correct?

- 1 and 3 only
- 1, 2, and 4 only
- 2, 3, and 4 only
- 2 and 4 only

43) **Consider the following statements regarding solid phase alloying:**

- It requires high temperatures to melt the scrap metals before combining them.
- It reduces industrial aluminium scrap waste through sustainable recycling.
- The alloys produced have inferior properties compared to those made from primary metals.

Which of the above statements is correct?

- 1 only
- 2 only
- 3 only
- None of the above

44) **Which of the following is a common symptom of Haemophilia A?**

- Frequent episodes of thrombosis.
- Persistent fever due to low immunity.
- Unexplained hair loss.
- Excessive bleeding after minor injuries.

45) **What is a major benefit of apiculture to agriculture?**

- It prevents soil erosion in farmlands.
- It reduces the use of synthetic fertilizers.
- It controls pest populations in crops.
- It enhances cross-pollination, improving crop yields.

46) **Consider the following statements regarding the Most Favoured Nation (MFN) principle:**

- MFN is a principle of non-discrimination ensuring equal trade treatment for WTO member nations.
- It was established under the Bretton Woods system post-World War II.
- Countries with MFN status cannot impose tariffs on goods from each other.
- MFN principles also apply to services and intellectual property under WTO agreements.

Which of the above statements are correct?

- 1, 2, and 3 only
- 1 and 4 only
- 2, 3, and 4 only
- 1, 2, and 4 only

47) **Consider the following statements regarding ASHA workers:**

- ASHAs are appointed directly by the Ministry of Health and Family Welfare.
- They play a key role in promoting institutional deliveries and antenatal care.
- ASHAs receive performance-based incentives for their services under the National Health Mission (NHM).

How many of the above statements is/are correct?

- Only one
- Only two
- All three
- None

48) **Which of the following is true about the Most Favoured Nation (MFN) principle under the WTO?**

- MFN status ensures countries have no trade barriers with each other.
- MFN status can only be revoked by a formal WTO procedure.
- MFN status is restricted to trade in goods and excludes services.
- MFN status is granted to all WTO members automatically.

- 49) Which of the following is a unique feature of Io, one of Jupiter's moons?
- Presence of a global magma ocean beneath its surface.
 - The highest number of craters among all celestial bodies in the solar system.
 - Intense volcanic activity driven by tidal heating.
 - An atmosphere rich in oxygen and nitrogen.

- 50) Consider the following statements regarding Cyber Slavery:

- Cyber slavery refers to the unethical use of artificial intelligence to exploit workers in the gig economy.
- Victims of cyber slavery are often forcibly engaged in online scams and fraudulent activities.
- It primarily targets individuals with advanced technical skills for executing cybercrimes.

How many of the above statements is/are correct?

- Only one
- Only two
- All three
- None



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Wisdom leads to success