

WEEKLY QUIZ

DATE : 20th Oct- 27th Oct

- 1) The National Green Hydrogen Mission aims to avert nearly 50 MMT of greenhouse gas emissions annually by 2030. Which of the following sectors is NOT a key focus area of the mission?
- Steel
 - Agriculture
 - Shipping
 - Mobility
- 2) Which of the following is NOT an example of non-kinetic warfare?
- Cyberattacks targeting a nation's power grid.
 - Bombing a military installation to destroy communication infrastructure.
 - Spreading disinformation to manipulate public opinion during elections.
 - Jamming satellite communications to disrupt a country's defense systems.
- 3) Consider the following statements about haemodialysis (HD) machines:
- Haemodialysis machines are used to treat patients with heart failure by filtering excess fluids from the lungs.
 - HD machines function by directly removing toxins from the blood without any need for external fluid exchange.
 - The dialyzer in an HD machine functions by directly filtering blood without any interaction with dialysate fluid.
- Which of the above statements are correct?
- 1 and 2
 - 2 and 3
 - 1 and 3
 - None of the above
- 4) Which of the following materials poses the highest risk of silicosis for workers due to its silica content?
- Marble
 - Granite
 - Artificial stone
 - Limestone
- 5) India recently provided haemodialysis (HD) machines to which of the following countries under the Forum for India-Pacific Islands Cooperation (FIPIIC)?
- Lebanon
 - Maldives
 - Fiji
 - Papua New Guinea
- 6) The primary objective of the Karmayogi Saptah initiative launched in October 2024 is to:
- Promote individual and organizational capacity-building for civil servants through competency-linked learning.
 - Provide financial incentives to civil servants for completing training programs.
 - Introduce a new pension scheme for retired civil servants.
 - Enhance digital governance and automation for citizen services.
- 7) Consider the following statements regarding Kerala's E-Cube Hindi Language Lab:
- The lab is designed for students in classes 5 to 7 and provides game-based learning for the Hindi language.
 - The software is developed using proprietary technology, ensuring premium tools for students.

3. The program lacks monitoring mechanisms, allowing students to learn independently without teacher feedback.

Which of the above statements is/are correct?

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

8) The Forum for India-Pacific Islands Cooperation (FIPIC) was established primarily to:

- a) Provide financial assistance to Middle Eastern countries.
- b) Promote free trade agreements between India and Pacific Island countries.
- c) Develop military alliances with countries in the Asia-Pacific region.
- d) Strengthen India's ties with Pacific Island nations through cooperation in areas like healthcare and infrastructure.

9) Which of the following is NOT an objective of the National Green Hydrogen Mission?

- a) Promoting fossil-fuel based hydrogen production and export
- b) Fostering decarbonization across key industries like steel and mobility
- c) Establishing India as a global hub for green hydrogen production, utilization, and export
- d) Pilot projects for green hydrogen usage in the steel sector

10) Match the following methods of non-kinetic warfare with their respective descriptions:

List I

- a) Cyber warfare
- b) Economic warfare
- c) Psychological warfare
- d) Information warfare

List II

- 1. Manipulating public opinion through disinformation or propaganda
- 2. Attacking critical infrastructure such as power grids or financial systems
- 3. Disrupting a country's economy

by targeting financial systems or trade

- 4. Jamming communication networks to disrupt enemy operations

Select the correct matching code:

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

11) Consider the following statements about the social structure and religion of the Kondh Tribe, recently seen in news:

- 1. The Kondh tribe follows a clan-based system with a strong community structure.
- 2. The majority of Kondhs have converted to Buddhism, moving away from their animistic beliefs.
- 3. Their religious practices are centered around forest deities, reflecting a deep connection to nature.

How many of the above statements is/are correct?

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

12) Consider the following statements about the 2024 Emission Gap Report:

- 1. The Emission Gap Report is published by the United Nations Framework Convention on Climate Change (UNFCCC).
- 2. It assesses the difference between current and necessary emission levels to meet the targets of the Paris Agreement.
- 3. The report focuses on the need for developed countries to update their NDCs before 2025.

Which of the above statements is/are correct?

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

13) Consider the following statements regarding the Indian Flapshell Turtle (*Lissemys punctata*):

1. The Indian flapshell turtle is primarily found in saltwater environments such as coastal estuaries and tidal zones.
2. It is named “flapshell” because of the unique flaps of skin on its plastron that cover its limbs when retracted.
3. It is classified as Critically Endangered on the IUCN Red List.

Which of the above statements is/are correct?

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

14) Consider the following statements about the 21st Livestock Census:

1. The Livestock Census is conducted every ten years by the Ministry of Fisheries, Animal Husbandry, and Dairying.
2. The census covers data on both livestock and poultry species, including indigenous breeds.
3. It will include independent data on livestock holdings by pastoralists for the first time.

Which of the above statements is/are correct?

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

15) Consider the following statements about the Great Indian Bustard:

1. The Great Indian Bustard is classified as Endangered on the IUCN Red List.
2. It primarily inhabits forested regions across central India.
3. The bird’s diet includes grass seeds, insects, and small rodents.

Which of the above statements is/are correct?

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

16) Consider the following statements about the Ethanol Blending Program (EBP):

1. The program aims to achieve a 20% ethanol blend in petrol by 2025, advancing the original target from 2030.
2. The Ministry of New and Renewable Energy is the nodal ministry for this program.
3. The EBP is expected to provide economic benefits to sugarcane farmers by creating demand for ethanol.

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 the governance and functions of the National Pharmaceutical Pricing Authority (NPPA):

1. The NPPA provides recommendations to the government on drug price revisions and pharmaceutical policies.
2. It solely relies on data from pharmaceutical companies and does not conduct independent data collection.
3. The NPPA’s establishment was aimed at enforcing fair pricing of both pharmaceutical drugs and food items in India.

Which of the above statements is/are correct?

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

18) Hwange National Park, recently became the center of attention due to the discovery of three poached lions. Hwange National Park is located in

- a) Zambia
- b) South Africa
- c) Namibia
- d) Zimbabwe

19) Consider the following statements regarding the Artificial Insemination of the Great Indian Bustard:

1. The Great Indian Bustard chick hatched in Jaisalmer marks the world's first successful artificial insemination in any bird species.
2. The technique for artificial insemination of the Great Indian Bustard was developed independently by the Wildlife Institute of India (WII).
3. This initiative is part of a captive breeding program aimed at releasing bred Great Indian Bustards into the wild.

Which of the above statements is/are correct?

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

20) Consider the following statements regarding the legal framework and powers of the National Pharmaceutical Pricing Authority (NPPA):

1. The NPPA has the authority to revise prices only once every year.
2. NPPA's mandate includes enforcing price controls for essential drugs under the Essential Commodities Act.
3. It can initiate legal action against companies failing to comply with pricing regulations under DPCO.

Which of the above statements are correct?

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

21) Consider the following statements regarding the distinction between the State List and Union List in the regulation of alcohol:

1. The Union List grants the Centre exclusive control over all forms of alcohol, including industrial alcohol.
2. The State List includes provisions for the regulation of "intoxicating liquor," including industrial alcohol.
3. Industrial alcohol is regulated by the Union government due to its role in sectors such as fuel production and pharmaceuticals.

Which of the above statements is/are correct?

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

22) The Korowai tribe, known for its unique lifestyle, is primarily associated with which of the following countries?

- a) Papua New Guinea
- b) Australia
- c) Indonesia
- d) Malaysia

23) Which of the following statements about WorldSkills 2024 is correct?

- a) The event took place in Paris, France.
- b) WorldSkills is an annual competition.
- c) WorldSkills 2024 is focused exclusively on technology-related skills.
- d) None of the above.

24) Consider the following statements regarding coli infections:

1. All strains of E. coli produce Shiga toxins that damage the intestinal lining.
2. E. coli primarily spreads through airborne particles.
3. E. coli infections always require antibiotic treatment for resolution.
4. The symptoms of E. coli infection include respiratory problems and headaches.

Which of the above statements is/are correct?

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1, 3, and 4 only
- d) None of the above

25) Which of the following best distinguishes denatured alcohol from absolute alcohol?

- a) Absolute alcohol is tax-exempt, whereas denatured alcohol is taxed due to its potential for human consumption.
- b) Absolute alcohol is used for industrial purposes, while denatured alcohol is used for medical purposes.

c) Denatured alcohol contains additives that make it poisonous and unfit for human consumption, unlike absolute alcohol.

d) Denatured alcohol is ethanol without any additives, while absolute alcohol contains toxic substances.

26) Consider the following statements regarding the social structure and lifestyle of the Korowai tribe:

1. The Korowai tribe follows a strict hierarchical structure with designated leaders.
2. The tribe has historically depended on the forest for food through hunting and gathering.
3. Cannibalism continues to be widely practiced among the Korowai tribe for religious purposes.

How many of the above statements is/are correct?

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

27) Which of the following themes was adopted for the 16th BRICS Summit 2024?

- a) “Inclusive Growth for All”
- b) “Strengthening Multilateralism for Just Global Development and Security”
- c) “Multilateralism for a Secure World”
- d) “Strengthening Global Alliances for Development”

28) Consider the following statements about Arugam Bay:

1. Arugam Bay is situated on the coast of Sri Lanka.
2. The area is primarily known for its significance as a cultural heritage site rather than a tourism hub.
3. The name “Arugam Kudah” is derived from a Tamil word meaning “River of Palms.”

How many of the above statements is/are correct?

- a) Only one
- b) Only two

- c) All three
- d) None

29) Consider the following statements regarding Rat Tail Falls (Thalaiyar Falls):

1. Rat Tail Falls is the second tallest waterfall in India, located in the state of Kerala.
2. The waterfall is named “Rat Tail” due to its long and thin cascade of water.
3. The waterfall is formed by the Bhavani River, a tributary of the Cauvery River.

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 about the complications and treatment of coli infections:

1. Hemolytic uremic syndrome (HUS), a complication of E. coli infection, causes liver failure.
2. Children and the elderly are less likely to develop severe complications from E. coli infections.
3. Hydration plays a minimal role in treating E. coli infections, and medical intervention is always required.

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 about India’s nuclear-powered ballistic missile submarine (SSBN) program:

1. India currently operates three SSBNs, including INS Arihant and INS Arighaat.
2. The newly launched S4* submarine will be equipped with K-4 missiles, capable of striking targets up to 3,500 km away.
3. SSBNs are crucial for India’s second-strike nuclear capability, ensuring survivability in case of a first-strike attack.

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 about Nandankanan Zoological Park:

1. Nandankanan Zoological Park is located in Odisha.
2. It is globally recognized as the first zoo in India to breed white lions.
3. The park includes a State Botanical Garden, which focuses on animal conservation and education.

Which of the above statements is/are correct?

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

33) Consider the following statements about Bima Sugam:

1. Bima Sugam is developed by the Insurance Regulatory and Development Authority of India (IRDAI) under the Ministry of Commerce and Industry.
2. It is a digital platform that focuses only on life insurance products.
3. Bima Sugam offers policy purchase and renewal services but excludes claims settlement and grievance redressal functions.

Which of the above statements is/are correct?

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

34) Consider the following statements about Mission Mausam:

1. Mission Mausam is primarily focused on weather modification, targeting events like rainfall, fog, and lightning strikes.
2. The Indian Institute of Tropical Meteorology (IITM) is developing a unique cloud chamber

with convection properties to study Indian monsoon clouds.

3. The Mission aims to predict monsoon patterns across South Asia by focusing on oceanographic phenomena.

Which of the above statements is/are correct?

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

35) Consider the following statements regarding Di-Ammonium Phosphate (DAP):

1. DAP is the most used fertilizer in India.
2. DAP contains 46% Nitrogen and 18% Phosphorus.
3. DAP is critical for early root development in crops.

How many of the above statements is/are correct?

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

36) Consider the following statements about the Kartarpur Corridor:

1. The Kartarpur Corridor connects Dera Baba Nanak shrine in Pakistan to Darbar Sahib Gurdwara in India.
2. Indian pilgrims need a visa to visit Darbar Sahib Gurdwara through the Kartarpur Corridor.
3. The Kartarpur Corridor was inaugurated on the 500th birth anniversary of Guru Nanak Dev.

How many of the above statements is/are correct?

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

37) Consider the following statements about the newly discovered genus Tenkana:

1. The genus Tenkana was discovered in southern India and is named after the Kannada word for “south.”
2. Tenkana species are typically found in dense, moist forest habitats.
3. Two previously known species, Tenkana manu and Tenkana arkavathi, have been moved from the Colopsus genus to the Tenkana genus.

Which of the above statements is/are correct?

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

38) Which of the following statements is incorrect about Bima Sugam?

- a) Bima Sugam aims to make the insurance process transparent and accessible to all citizens across India.
- b) The Bima Sugam platform includes services for life insurance but excludes non-life insurance policies.
- c) The Bima Vahaks initiative focuses on empowering women to act as intermediaries for insurance products in rural areas.
- d) Bima Sugam supports the purchase, renewal, portability, and claims settlement of insurance policies.

39) Consider the following statements about the cloud chamber being developed by IITM:

1. The cloud chamber simulates cloud formation by injecting water vapor, aerosols, and particles under controlled temperature and humidity.
2. Unlike basic cloud chambers in other countries, India’s version will simulate convection, important for studying monsoon clouds.
3. The cloud chamber is primarily designed for global weather forecasting systems.

Which of the above statements is/are correct?

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

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

40) Consider the following statements regarding the manufacturing process of di-ammonium phosphate (DAP):

1. DAP is produced by reacting ammonia with sulfuric acid.
2. India imports most of its DAP from foreign countries due to limited domestic manufacturing.
3. DAP is primarily used during the flowering stage of plant growth.

How many of the above statements is/are correct?

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

41) The term “shadow fleet” has gained attention in the global maritime industry. Consider the following statements regarding “shadow fleet”:

1. Shadow fleets obscure the ownership and origin of cargo to bypass international sanctions.
2. Shadow fleets are primarily operated under the national flags of countries with stringent maritime laws.
3. These fleets frequently change flags, names, and ownership to mask their activities.

How many of the above statements is/are correct?

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

42) Consider the following statements about bioluminescence:

1. Bioluminescence is the production of light by living organisms, primarily due to physical processes.
2. Noctiluca scintillans, also known as “sea sparkle,” is a bioluminescent phytoplankton responsible for creating blue waves.

Which of the above statements is/are incorrect?

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

43) Consider the following statements regarding green hydrogen:

1. Green hydrogen is produced through electrolysis, using renewable energy sources.
2. The process of producing green hydrogen emits greenhouse gases.
3. Wind, solar, and hydropower are commonly used to generate green hydrogen.

Which of the above statements is/are correct?

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

44) Consider the following statements about the ESA's Moonlight Programme:

1. The Moonlight programme aims to create a constellation of lunar satellites for navigation and communication purposes on the lunar surface.
2. The Moonlight programme focuses on the Moon's equatorial region due to the presence of large water ice deposits.

Which of the above statements is/are correct?

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

45) Which of the following statements is incorrect regarding the Indian Register of Shipping (IRS)?

- a) The IRS was established based on the recommendations of the Mudaliar Committee.
- b) The IRS is responsible for setting standards for the construction, maintenance, and operation of ships.
- c) The IRS is a classification society that operates exclusively within India.
- d) The IRS promotes safety, environmental

protection, and risk management in maritime operations.

46) Which of the following statements about the Azores Archipelago is true?

- a) The Azores is located approximately 1,000 km east of mainland Portugal.
- b) Mount Pico is the lowest point in the Azores.
- c) The Azores is an archipelago formed entirely by glacial activity.
- d) The islands are situated above the Azores Triple Junction, where three tectonic plates meet.

47) Consider the following statements about major ports in India:

1. The Jawaharlal Nehru Port Trust (JNPT) is the largest container port in India.
2. Tuticorin Port is located in Karnataka.
3. Mormugao Port is situated in Goa.

How many of the above statements is/are correct?

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

48) Consider the following statements regarding Kala-azar:

1. Kala-azar is caused by a protozoan parasite called *Leishmania donovani*.
2. The primary vector for Kala-azar in India is the *Aedes* mosquito.
3. Severe anemia is one of the prominent symptoms of Kala-azar.

Which of the above statements are correct?

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

49) Consider the following statements regarding the e-Shram initiative:

1. e-Shram aims to create a database solely for organized sector workers.

2. The platform integrates information from five central schemes to benefit unorganized workers.
3. The Ministry of Rural Development is the nodal ministry for the e-Shram initiative.

Which of the above statements are correct?

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

50) Consider the following statements regarding the new statue of Lady Justice at the Supreme Court of India:

1. The statue is dressed in a saree, representing Indian cultural heritage.
2. The statue's eyes are closed to symbolize justice being blind to all.
3. The statue holds a sword in one hand, representing the use of force in legal proceedings.

Which of the above statements are correct?

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



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