

WEEKLY QUIZ

DATE : 7th Oct- 13th Oct

- 1)** Which of the following is the primary reason for the reduction in Out-of-Pocket Expenditure (OOPE) as per the National Health Account (NHA) estimates for 2021-22?
- Increase in per capita income
 - Growth in private health insurance
 - Rise in Government Health Expenditure (GHE)
 - Increase in international healthcare aid
- 2)** Which of the following is the primary objective of creating Co-Districts in Assam?
- To promote economic growth by enhancing industrial development in rural areas
 - To improve fiscal management by increasing tax collection from underdeveloped districts
 - To foster cultural heritage and promote tourism in remote regions
 - To decentralize governance and make administrative services more accessible
- 3)** What is one of the key applications of the polymer nanocomposite being developed by the Centre for Nano and Soft Matter Sciences (CeNS)?
- Solar power generation
 - Road safety sensors
 - Water purification membranes
 - Quantum computing
- 4)** Which of the following is NOT a feature of the revised Ecomark Scheme, 2024?
- Promotion of energy-efficient products
 - Utilization of recycled materials to encourage a circular economy
 - Tax incentives for manufacturers producing eco-friendly products
 - Accurate labelling to avoid misleading claims about sustainability
- 5)** Which of the following is a major reason cited by the Environment Ministry for shelving the elephant census report, 'Status of Elephant in India 2022-23'?
- Lack of funding for the census
 - Conflict with the tiger census schedule
 - Discrepancies in the genetic data analysis
 - Delay in conducting the census in the Northeast
- 6)** Consider the following statements regarding the India-US Memorandum of Understanding (MOU) on critical minerals:
- The MOU focuses on reducing dependence on China for critical minerals.
 - It includes cooperation in the areas of recycling, processing, and recovery of critical minerals.
 - Both nations aim to establish joint research centers focused on pharmaceuticals under this MOU.
- How many of the above statements is/are correct?
- Only one
 - Only two
 - All three
 - None
- 7)** Consider the following statements about the Ecomark Scheme:

1. The scheme mandates the use of accurate environmental labelling to avoid misleading sustainability claims.
2. It encourages manufacturers to adopt resource-efficient and eco-friendly production methods.
3. The implementation of the scheme is managed by NITI Aayog and the Ministry of Environment.

Which of the above statements is/are correct?

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

8) Consider the following statements about the new methods of elephant counting introduced post-2022:

1. The genetic mark-recapture method allows identification of individual elephants through DNA analysis of dung samples.
2. The new methods of counting elephants are synchronized with the tiger census data for better landscape-level management.
3. The direct count method, used before 2002, provided more accurate estimates of elephant populations than the new methods.

How many of the above statements is/are incorrect?

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

9) Consider the following statements regarding the 'LiFE' (Lifestyle for Environment) mission and its relation to the Ecomark Scheme:

1. The LiFE mission was launched to promote sustainable living and eco-friendly lifestyles.
2. The revised Ecomark Scheme supports the goals of the LiFE mission by promoting environmentally friendly products.

3. The Ecomark certification is compulsory for all consumer products sold in India under the LiFE mission.

Which of the above statements is/are correct?

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

10) Researchers from Centre for Nano and Soft Matter Sciences (CeNS), Bengaluru have developed a polymer nanocomposite. Consider the following statements about the properties and applications of the polymer nanocomposite:

1. The nanocomposite has high flexibility and durability, making it suitable for smart sensors.
2. It can generate electricity from mechanical pressure using the photoelectric effect.
3. The energy harvested by the nanocomposite can be used to power small electronic devices.

Which of the above statements is/are correct?

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

11) Consider the following statements about Halari donkeys:

1. Halari donkeys are native to the Kutch region of Gujarat.
2. These donkeys are primarily used by the Bharwad and Rabari pastoralists during migration.
3. Halari donkeys are known for their resilience and ability to carry heavy loads.

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 criteria was dropped in the 2024 revision of the Classical Language criteria?

- a) High antiquity of texts
- b) Ancient literature as valuable heritage
- c) Original literary tradition not borrowed from another speech community
- d) Distinctness from modern forms

13) Which major river flows through the Eturnagaram Wildlife Sanctuary?

- a) Krishna River
- b) Mahanadi River
- c) Tungabhadra River
- d) Godavari River

14) Consider the following statements about the cost and economic challenges of Small Modular Reactors (SMRs):

1. SMRs are cheaper to manufacture than traditional reactors due to their smaller size.
2. Large-scale production is necessary to make SMRs cost-effective.
3. SMRs are already widely used for power generation around the world.

Which of the above statements is correct?

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

15) Consider the following statements about the revised criteria for Classical Language status:

1. A language must be distinct from its modern form to qualify as a Classical Language.
2. The 2024 criteria allow for the inclusion of inscriptional evidence for determining Classical Language status.
3. Only Indian languages with ancient texts written in Sanskrit can be considered for Classical Language status.

Which of the above statements is correct?

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

16) Consider the following statements about the Doddalathur megalithic site:

1. The Doddalathur site is located in the Kutch region of Gujarat.
2. The site contains multiple stone temples dedicated to the Iron Age rulers of the region.
3. It was discovered by archaeologists in the early 20th century.

Which of the above statements is correct?

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

17) Regarding the environmental impact of Small Modular Reactors (SMRs), consider the following statements:

1. SMRs are designed to provide low-carbon electricity.
2. SMRs require larger fuel quantities than traditional reactors.
3. SMRs cannot be paired with renewable energy systems due to safety concerns.

Which of the above statements is correct?

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

18) Consider the following statements about Eturnagaram Wildlife Sanctuary:

1. The sanctuary is located entirely within the state of Chhattisgarh.

2. The Dayyam Vagu stream divides the sanctuary into two halves.
3. The sanctuary was declared a wildlife sanctuary after the Wildlife Protection Act of 1972.

How many of the above statements is/are correct?

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

19) Which of the following islands is the largest in the Chagos Archipelago?

- a) Peros Banhos
- b) Diego Garcia
- c) Danger Island
- d) Mauritius

20) Consider the following statements regarding India's membership in the International Medical Device Regulators Forum (IMDRF):

1. India is a founding member of the IMDRF.
2. India's membership will help align its medical device regulations with global standards.
3. The affiliation will enable India to export its medical devices to all IMDRF member countries without further regulatory scrutiny.

Which of the above statements is/are correct?

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

21) The primary objective of the Mutual Funds Lite (MF Lite) framework introduced by SEBI is:

- a) To introduce complex and high-risk investment strategies
- b) To promote actively managed mutual fund schemes

- c) To attract new players to the mutual fund industry and offer less risky investment opportunities for retail investors
- d) To increase the regulatory burden on Asset Management Companies (AMCs)

22) What is one of the primary reasons ISRO is establishing a third launch pad at Sriharikota?

- a) To increase the number of PSLV missions
- b) To launch only private satellites
- c) To support new technologies like the New Generation Launch Vehicle (NGLV)
- d) To reduce the number of missions from other launch pads

23) The research of Victor Ambros and Gary Ruvkun on microRNA has significant medical implications for which of the following diseases?

- a) Malaria and tuberculosis
- b) Alzheimer's disease and Parkinson's disease
- c) Cancer and diabetes
- d) None of the above

24) Which organization publishes the "Free to Think" report that examines global academic freedom?

- a) UNESCO
- b) Amnesty International
- c) World Economic Forum (WEF)
- d) None of the above

25) The National Anubhav Award Scheme was launched by which of the following departments?

- a) Department of Higher Education
- b) Department of Pension & Pensioners' Welfare
- c) Department of Expenditure
- d) Ministry of Finance

26) Consider the following statements about the Ni-Kshay Mitra Initiative under the Pradhan Mantri TB Mukh Bharat Abhiyaan:

1. The initiative has been expanded to support household contacts of TB patients.

2. It provides food baskets to help boost immunity and reduce out-of-pocket expenses for TB patients' families.
3. The Ni-Kshay Mitra Initiative replaces the Ni-Kshay Poshan Yojana for all TB patients.

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 ISRO's third launch pad:

1. It is designed to act as a backup for the GSLV missions launched from the second launch pad.
2. The third launch pad supports vertical integration of the New Generation Launch Vehicle (NGLV).
3. Integrated stage testing facilities will be included at the pad to streamline operations.

Which of the above statements is/are correct?

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

28) Consider the following statements regarding the evolutionary importance of microRNA:

1. MicroRNAs have played a crucial role in genetic evolution for millions of years.
2. Abnormal activity of microRNAs is associated with various developmental disorders.
3. MicroRNAs are only involved in regulating genes during the early stages of embryonic development.

Which of the above statements is/are correct?

- a) 1 and 2 only

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

29) Consider the following statements regarding the key objectives of the Anubhav Award Scheme:

1. It aims to recognize the contributions of government employees towards nation-building.
2. It is restricted to employees of the Central Government only.
3. The write-ups are assessed through a newly introduced marking system based on different pay levels.

How many of the above statements is/are incorrect?

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

30) Birbhum District, West Bengal, is primarily known for the extraction of which mineral?

- a) Limestone
- b) Iron ore
- c) Coal
- d) Copper

31) What is the primary habitat of the Indian Wild Ass (Khur) in Gujarat?

- a) Mangrove forests
- b) Mountainous regions of Saurashtra
- c) Desert and grassland ecosystems of the Little Rann of Kutch and Great Rann of Kutch
- d) Riverine plains of the Sabarmati basin

32) Consider the following statements about Trachoma:

1. Trachoma is spread through direct contact with infected eye secretions or nasal discharges, and via flies.

2. The advanced stage of Trachoma can lead to a condition called trichiasis, where the eyelashes turn inward and scrape the cornea.
3. Trachoma is primarily treated with antiviral medications, as it is caused by a virus.

Which of the statements given above is/are correct?

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

33) Which conservation status is NOT applicable to the Red Panda?

- a) Listed as Endangered on the IUCN Red List
- b) Listed in Appendix I of CITES
- c) Protected under Schedule I of India's Wildlife Protection Act, 1972
- d) Listed as Vulnerable on the IUCN Red List

34) Consider the following statements about the Major Atmospheric Cherenkov Experiment (MACE) Observatory:

1. The MACE Observatory is located in the Himalayas, making it the highest imaging Cherenkov telescope in the world.
2. The primary objective of the MACE project is to study cosmic rays using radio waves.
3. The observatory was developed indigenously by Bhabha Atomic Research Centre (BARC) with support from Indian institutions.

How many of the above statements is/are correct?

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

35) In which part of the world is nearly 50% of the Red Panda's habitat found?

- a) Western Himalayas
- b) Southern China plains

- c) Tibetan Plateau
- d) Eastern Himalayas

36) Consider the following statements regarding the surface composition and characteristics of Charon, Pluto's largest moon:

1. Charon's surface is composed only of water ice and ammonia-bearing compounds.
2. Charon is a valuable target for studying the Kuiper Belt, which contains objects beyond the orbit of Uranus.

Which of the above statements is/are correct?

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

37) Consider the following statements regarding the conservation efforts of the Padmaja Naidu Himalayan Zoological Park:

1. The zoo plays a central role in the conservation and breeding of red pandas in India.
2. The zoo's genetic resource facility is primarily focused on tropical species.
3. It is recognized by the World Association of Zoos and Aquariums (WAZA) for its contributions to wildlife conservation.

Which of the statements given above is/are correct?

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

38) India's elimination of Trachoma as a public health problem in 2024 aligns with which global roadmap?

- a) WHO 2030 Vision Zero Program
- b) WHO Global Sanitation and Hygiene Plan
- c) WHO 2021–2030 Neglected Tropical Disease Roadmap

- d) WHO 2025 Immunization Strategy
- 39)** Why are Pluto and Charon often referred to as a “double dwarf planet system”?
- Because Charon is more massive than Pluto.
 - Due to the close size and mass ratio between Pluto and Charon.
 - Because both are located in the asteroid belt.
 - Due to their similar compositions of methane and nitrogen.
- 40)** Consider the following statements about the ecological role of the Indian Wild Ass:
- The Indian Wild Ass plays a role in seed dispersal, contributing to vegetation growth.
 - It primarily inhabits forested areas where it clears dense undergrowth through grazing.
 - The grazing activity of wild asses helps in creating pathways, thereby influencing habitat creation.
- How many of the above statements is/are incorrect?
- Only one
 - Only two
 - All three
 - None
- 41)** Which of the following changes has been introduced by RBI to UPI123Pay?
- Raised the wallet limit from ₹2,000 to ₹5,000
 - Increased per-transaction limit from ₹5,000 to ₹10,000
 - Enabled internet-based payments for feature phones
 - Introduced real-time transaction status notifications
- 42)** Chaukhamba is part of which mountain range?
- Pir Panjal Range
 - Zaskar Range
 - Karakoram Range
 - Garhwal Himalayas
- 43)** The 2024 Nobel Prize in Chemistry was awarded for contributions in which field?
- Organic chemistry
 - Photochemistry
 - Nanotechnology
 - Protein design and prediction
- 44)** What is the primary composition of slag, which is used in artificial ground?
- Pure metals
 - Metal oxides and silicon dioxide
 - Organic materials
 - Carbon-based compounds
- 45)** Consider the following statements about the construction of two nuclear attack submarines (SSNs) approved by the Cabinet Committee on Security (CCS):
- These nuclear submarines will be constructed entirely in collaboration with foreign partners.
 - SSNs are primarily used for stealth and long-range surveillance missions.
 - The construction of SSNs enhances India’s strategic naval capabilities.
- How many of the above statements is/are incorrect?
- Only one
 - Only two
 - All three
 - None
- 46)** Where is the National Maritime Heritage Complex (NMHC) being constructed?
- Kochi
 - Mumbai
 - Lothal
 - Chennai
- 47)** What is the most common method used to extract shale gas?
- Vertical drilling
 - Open-pit mining
 - Steam injection

d) Hydraulic fracturing

48) Consider the following statements regarding the ecological changes on the Antarctic Peninsula:

1. The extent of plant cover has increased due to rising temperatures.
2. Invasive species may thrive, potentially threatening native flora and fauna.
3. The increase in plant life will decrease the albedo effect, reducing the temperature rise.

How many of the above statements is/are incorrect?

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

49) What is the primary role of Tyrosyl-DNA phosphodiesterase 1 (TDP1)?

- a) Synthesizing DNA during replication
- b) Facilitating protein synthesis in the cytoplasm
- c) Inducing cell death in healthy cells
- d) Repairing DNA damage induced by Topoisomerase 1 inhibitors

50) Consider the following statements regarding the National Maritime Heritage Complex (NMHC):

1. NMHC is being developed under the Ministry of Culture.
2. The complex will include coastal state pavilions representing India's maritime diversity.
3. Tata Projects Ltd is managing the construction of NMHC.

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