

WEEKLY QUIZ

DATE : 16th – 22nd September

1) The Pradhan Mantri Janjatiya Unnat Gram Abhiyan aims to build on the success of which previous mission?

- a) PM Janjatiya Atmanirbhar Yojana
- b) PM Kaushal Vikas Yojana
- c) PM Gram Sadak Yojana
- d) PM Janjati Adivasi Nyaya Maha Abhiyan (2023)

2) Consider the following statements regarding the National Centre of Excellence (NCoE) for AVGC-XR:

1. The institution will offer specialized training in Animation, Visual Effects, Gaming, Comics, and Extended Reality.
2. It aims to foster intellectual property (IP) creation in India's AVGC-XR sector.
3. The primary goal of the institution is to promote cultural exchanges between India and other countries.

How many of the above statements is/are correct?

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

3) Which of the following crops is targeted by the Price Support Scheme (PSS) under PM-AASHA?

- a) Rice and wheat
- b) Pulses, oilseeds, and copra
- c) Fruits and vegetables
- d) Cotton and sugarcane

4) Which of the following crops is NOT included under Kharif crops for which MSP is announced?

- a) Paddy
- b) Cotton
- c) Rapeseed and Mustard
- d) Groundnuts

5) Consider the following statements about the Biotechnology Research Innovation and Entrepreneurship Development (Bio-RIDE) scheme:

1. The scheme merges two existing Department of Biotechnology programs to foster bio-entrepreneurship and innovation.
2. It supports circular bioeconomy practices to address healthcare, agricultural, and environmental challenges.
3. The scheme's primary focus is on building large-scale industrial infrastructure for biotechnology manufacturing.

Which of the statements given above is/are correct?

- b) 1 and 2 only

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

6) Consider the following statements about the Pradhan Mantri Janjatiya Unnat Gram Abhiyan:

1. The mission targets 5 crore tribal people by addressing gaps in social infrastructure, education, and health.
2. It aims to enhance mobile and road connectivity in tribal-majority villages.
3. The primary goal of the mission is industrial development in tribal regions.

How many of the above statements is/are incorrect?

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

7) Consider the following statements about the Bharatiya Antariksh Station (BAS-1):

1. BAS-1 will focus on scientific research in microgravity environments.
2. BAS-1 is part of India's expanded Gaganyaan programme.
3. The Indian Space Research Organisation (ISRO) will collaborate with industry and academia for the development of BAS-1.

Which of the statements given above is/are correct?

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

8) Consider the following statements regarding pheromones:

1. Pheromones are used for communication between members of the same species.
2. They can trigger social behaviors like mate attraction and marking territory.
3. Pheromones are used by animals for digestion and nutrient absorption.

Which of the statements given above is/are correct?

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

9) Regarding the key components of the Bio-RIDE scheme, consider the following statements:

1. It supports cutting-edge research in fields like synthetic biology and bioenergy.
2. The scheme promotes bio-entrepreneurship through funding, incubation, and mentorship programs.
3. It aims to promote traditional manufacturing techniques in biotechnology.

How many of the above statements is/are correct?

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

10) Regarding the components of PM-AASHA, consider the following statements:

1. Under the Price Support Scheme (PSS), the government covers procurement costs and losses incurred by nodal agencies.

2. The Price Deficiency Payment Scheme (PDPS) involves both physical procurement and price difference compensation for oilseeds.
3. The Private Procurement & Stockist Scheme (PPPS) is primarily aimed at rice and wheat procurement.
4. PM-AASHA is focused on ensuring MSP assurance for farmers' produce.

Which of the statements given above are correct?

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

11) Which military honor was posthumously awarded to the soldiers who fought in the Battle of Saragarhi?

- a) Victoria Cross
- b) Param Vir Chakra
- c) Indian Order of Merit
- d) George Cross

12) The Naga king chilli, also known as raja mircha, is notable for which of the following?

- a) Being one of the world's hottest chillies
- b) Its use as a medicinal plant
- c) Its role in reducing soil erosion
- d) Its usage in industrial chemical production

13) Consider the following statements regarding India's efforts to blend methanol in diesel:

1. The Ministry of Petroleum has set a target of blending 15% methanol into diesel to reduce crude oil imports.
2. Methanol-blended diesel can reduce the cost of fuel for consumers.
3. Methanol is produced from CO₂ captured exclusively from agricultural sources.

How many of the above statements is/are correct?

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

14) Consider the following statements regarding kleptoparasitism and avian influenza:

1. Kleptoparasitism refers to birds stealing food from other species by forcing them to regurgitate prey.
2. This behavior is primarily seen in terrestrial birds like sparrows and finches.
3. Kleptoparasitism can help spread diseases like avian influenza among seabird populations.

b)

Which of the above statements is/are correct?

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

15) What geological formation is associated with the discovery of the new coelacanth fossil?

- a) Deccan Traps
- b) Appalachian Mountains
- c) Himalaya Orogeny
- d) Gogo Formation

16) India's first CO₂-to-methanol pilot plant aims to contribute to which of the following?

- a) Reducing forest fires in India
- b) Advancing carbon capture and utilisation technologies
- c) Producing renewable energy using solar cells

d) Reducing natural gas consumption in households

17) Which of the following is correct about the asteroid 2024 PT5?

- a) It will become a permanent moon of Earth.
- b) It will follow a horseshoe-shaped path around Earth.
- c) It will collide with Earth in 2025.
- d) It originated from the Kuiper Belt.

18) Consider the following statements regarding the Battle of Saragarhi:

1. It was fought between British forces and Mughal warriors.
2. The soldiers at Saragarhi defended the fort for 7 days before succumbing.
3. The battle took place on the eastern frontier of British India.

Which of the above statements is/are correct?

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

19) Consider the following statements regarding Carbon Capture and Utilisation (CCU) technologies:

1. CCU technologies capture CO₂ from industries and store it permanently underground.
2. India's first CO₂-to-methanol pilot plant focuses on converting CO₂ into chemicals like methanol.
3. The coal-based thermal power sector accounts for less than 10% of India's total carbon emissions, making it a low-priority sector for CCU.

Which of the above statements is/are correct?

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

20) Which of the following commissions recommended the implementation of the "One Nation One Election" (ONOE) system in India?

- a) Sarkaria Commission
- b) Punchhi Commission
- c) Law Commission
- d) Election Commission of India

21) Consider the following statements about the Karam Tree (Adina cordifolia):

1. The Karam tree is an evergreen species found across the world.
2. The tree plays a significant cultural role in the Karam festival, symbolizing vitality and strength.
3. It is native to the Indian subcontinent, particularly found in India, Nepal, and Bangladesh.

How many of the above statements is/are correct?

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

22) The ICAR-Central Marine Fisheries Research Institute (CMFRI) was designated as a Centre of Excellence for which of the following?

- a) Seaweed cultivation
- b) Marine biodiversity conservation
- c) Coral reef restoration
- d) Sustainable fishing techniques

23) Which of the following best explains the significance of Quantum Natural Language Processing (QNLP)?

- a) It improves syntax and semantics in language models while reducing energy consumption.
- b) It enhances the ability to store vast amounts of data.
- c) It primarily focuses on improving image recognition.
- d) It increases the parameters required for natural language processing.

24) In the context of pagers, which of the following statements is correct?

- a) Pagers actively transmit signals like mobile phones.
- b) Pagers are easy to track because they constantly transmit signals.
- c) Pagers work by receiving short messages via radio waves.
- d) None of the above

25) The Karam festival is primarily celebrated by which of the following tribal groups?

- a) Bhil
- b) Santhal
- c) Gond
- d) Khasi

26) Consider the following statements about Quantum Computing:

1. Quantum computers use bits like classical computers.
2. Qubits in quantum computers can exist in superposition, representing both 0 and 1.
3. Quantum computing relies on classical algorithms for problem-solving.

Which of the above statements are correct?

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

27) Which of the following is not one of the major themes of India's National Quantum Mission (NQM)?

- a) Quantum Computing
- b) Quantum Material and Devices
- c) Quantum Sensing and Metrology
- d) Quantum Blockchain Systems

28) Consider the following statements regarding the National Quantum Mission (NQM) in India:

1. The mission involves the development of secure satellite-based communication systems with Quantum Key Distribution (QKD).
2. The mission is a collaborative effort involving the Department of Science & Technology, ISRO, and DRDO.
3. The mission's primary aim is to make India one of the top three leading nations in quantum technologies globally.

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 Seaweed:

1. Seaweed only grows in freshwater ecosystems.
2. Seaweed has no industrial applications.

3. Seaweed plays a minor role in marine ecosystems.

Which of the above statements are correct?

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

30) Consider the following statements regarding the Battery Waste Management (BWM) Rules, 2022:

1. The BWM Rules, 2022 were issued by the Ministry of New and Renewable Energy (MNRE).
2. Producers are responsible only for the manufacturing stage of the battery lifecycle under Extended Producer Responsibility (EPR).
3. Environmental compensation is imposed for failing to meet recycling targets under these rules.

Which of the above statements is/are correct?

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

31) Consider the following statements about jute production in India:

1. West Bengal accounts for over 70% of India's total jute production.
2. Andhra Pradesh is the second-largest producer of jute in India.
3. Assam and Bihar are among the top five jute-producing states in India.

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 regarding Amplitude Modulation (AM):

1. AM provides better sound quality than Frequency Modulation (FM).
2. AM changes the frequency of the carrier wave to encode signals.
3. AM is widely used for Wi-Fi and digital transmissions.

Which of the statements given above is/are correct?

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

33) Which of the following regions showed the most advancement in cybersecurity according to the Global Cybersecurity Index (GCI) 2024?

- a) Africa
- b) Europe
- c) North America
- d) Asia

34) Consider the following statements regarding the "Integrated Ocean Energy Atlas":

1. The atlas focuses only on wave and tidal energy resources.
2. It was launched by the Ministry of Renewable Energy.
3. The atlas provides real-time data on ocean energy resources.

Which of the statements given above is/are correct?

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

35) The “Shabd” website, launched by CSTT in 2024, primarily focuses on which of the following areas?

- a) Legal glossaries
- b) Military terminologies
- c) Scientific and technical glossaries
- d) Historical records

36) Which of the following best describes the Irula tribe?

- a) A Particularly Vulnerable Tribal Group (PVTG)
- b) An urbanized community in southern India
- c) A nomadic pastoralist tribe from the Himalayas
- d) A coastal fishing community in western India

37) Consider the following statements about the World Health Organization’s (WHO) MVA-BN vaccine:

1. The MVA-BN vaccine is the first vaccine approved to combat mpox.
2. The vaccine shows 99% effectiveness with two doses.
3. The vaccine can be stored at 2-8°C for up to eight weeks.

How many of the above statements is/are correct?

- a) Only one
- b) Only two

- c) All three
- d) None

38) Consider the following statements about the contributions of Mokshagundam Visvesvaraya:

1. He developed automatic gates to regulate the flow of water in reservoirs.
2. He was responsible for designing the Bhakra Nangal Dam in Punjab.
3. He contributed to solving water supply issues in the city of Sukkur, now in Pakistan.

Which of the statements given above are correct?

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

39) Consider the following statements regarding Typhoon Yagi:

1. Typhoon Yagi is considered Asia’s strongest cyclone of 2024.
2. Operation Sadbhav was launched to provide humanitarian assistance to Southeast Asia following Typhoon Yagi.

Which of the above statements is/are incorrect?

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

40) Consider the following statements regarding the “Global AI Ethics and Governance Observatory”:

1. The observatory solely focuses on AI research in the private sector.
2. It aims to promote ethical AI governance for policymakers, academics, and private enterprises.

3. The observatory does not provide any resources for AI development.

Which of the statements given above are correct?

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

41) Consider the following statements about the Cellular Jail in Port Blair:

1. It was built during British rule to house political prisoners.
2. The jail is also known as Kala Pani due to its isolation.
3. It was used primarily during the early 19th century by the British.

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 regarding the third edition of the INDUS-X Summit:

1. The INDUS-X Summit focuses solely on the economic partnership between India and the U.S., with no involvement in defence-related technologies.
2. The MoU signed during the summit was between India's iDEX and Stanford University to enhance academic cooperation in the field of defence innovation.
3. The Zorawar Light Tank showcased at the INDUS-X Summit is entirely designed for use in desert terrain with no application for high-altitude deployment.

Which of the above statements is/are correct?

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

43) Consider the following statements about the Satavahana dynasty's contribution to the Sanchi Stupa:

1. The Satavahana dynasty is credited with adding the toranas (gateways) around the Great Stupa.
2. The Satavahana kings constructed new stupas at Sanchi as a sign of their devotion to Buddhism.
3. The carvings on the Satavahana-built toranas feature scenes of royal conquests and battles.

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

44) Consider the following statements about Nidhi companies in India:

1. They are regulated by the Reserve Bank of India (RBI).
2. Nidhi companies promote borrowing and lending among their members.
3. Nidhi companies require a minimum capital of ₹10 lakh for formation.

How many of the above statements is/are correct?

- a) Only one
- b) Only two

- c) All three
- d) None

45) Neuromorphic computing developed by IISc Bengaluru mimics the functioning of which of the following?

- a) Human brain
- b) Quantum computers
- c) Artificial neural networks
- d) Supercomputers

46) Which of the following statements is correct regarding the National Social Assistance Programme (NSAP)?

- a) It provides pensions to all elderly citizens in India.
- b) It is a contributory pension scheme for senior citizens.
- c) It is administered by the Ministry of Health and Family Welfare.
- d) It offers non-contributory pensions to the elderly, widows, and disabled individuals.

47) With reference to green hydrogen, consider the following statements:

1. Green hydrogen production uses renewable energy sources such as solar or wind power for electrolysis.
2. Green hydrogen emits significantly lower carbon emissions compared to grey hydrogen, which is produced from fossil fuels.
3. The Bureau of Energy Efficiency (BEE) is under the Ministry of New & Renewable Energy, which oversees the green hydrogen initiative in India.

Which of the statements given above is/are correct?

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

48) Consider the following statements regarding the Integrated Program for Older Persons (IPOP):

1. It aims to enhance the quality of life of senior citizens by providing food, shelter, and medical care.
2. It is specifically designed for elderly individuals living in urban areas.
3. The program includes provisions for entertainment opportunities for senior citizens.

Which of the statements given above is/are correct?

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

49) With reference to the Rashtriya Vayoshree Yojana, consider the following statements:

1. It provides aids and assistive devices to elderly individuals below the poverty line.
2. The scheme is funded through the Senior Citizens' Welfare Fund.
3. It is a contributory scheme requiring a nominal contribution from beneficiaries.

Which of the statements given above is/are correct?

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

c) 2 and 3 only

d) 1, 2, and 3

50) Which organization in India started the first green hydrogen blending operation in the Piped Natural Gas (PNG) network?

a) Indian Oil Corporation

b) NTPC

c) Oil India Limited

d) GAIL



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Wisdom leads to success