

WEEKLY QUIZ

DATE : 26 Aug – 01 Sept

1) Which of the following is true about the recent expansion of the Agricultural Infrastructure Fund (AIF) by the Union Cabinet?

- a) The expansion primarily focuses on large agribusinesses rather than small-scale farmers.
- b) The AIF now provides financial support specifically for Farmers' Producers Organisations (FPOs).
- c) The AIF's scope has been reduced to concentrate on fewer types of agricultural infrastructure projects.
- d) The total budget of the AIF has been significantly increased to ₹2 lakh crore.

2) Consider the following statements regarding quasars:

- 1. Quasars are the extremely luminous cores of distant galaxies.
- 2. Quasars are powered by supermassive black holes at their centers.
- 3. Quasars emit light due to nuclear fusion occurring in their outer layers.

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 statements is true regarding the current Chandipura virus (CHPV) outbreak in India?

- a) The outbreak has primarily affected the southern states of India.
- b) WHO has recommended travel and trade restrictions due to the outbreak.
- c) A vaccine for the Chandipura virus is widely available.
- d) The Chandipura virus is known to cause acute encephalitis syndrome (AES).

4) Consider the following statements regarding the northern bald ibis:

- 1. The northern bald ibis was once extinct in Europe due to hunting.
- 2. The species has been revived through breeding and rewilding efforts.
- 3. The northern bald ibis is currently classified as critically endangered by the IUCN.

Which of the above statements is/are correct?

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

5) Which of the following statements best describes the function of the parabolic concentrator in Solar Paraboloid Technology?

- a) It directly converts sunlight into electricity using photovoltaic cells.
- b) It absorbs sunlight and stores it for later use.
- c) It diffuses sunlight to reduce the intensity for safe industrial use.
- d) It focuses and concentrates sunlight onto a small area to generate high temperatures.

6) Which of the following is true about the Central Financial Assistance (CFA) approved by the Indian Union Cabinet for hydroelectric projects in the North Eastern Region (NER)?

- a) The CFA will fund 100% of the state government's equity in hydroelectric projects.
- b) The CFA applies to all hydroelectric projects in India, including those outside the NER.
- c) The CFA is only available for projects that are deemed viable.
- d) None of the above

7) Consider the following statements regarding the Pacific Policing Initiative (PPI) recently agreed upon at the Pacific Islands Forum (PIF):

1. The PPI includes the establishment of a central police development hub in Australia.
2. The initiative is primarily funded by Australia but is driven by Pacific Island countries.
3. The PPI represents a continuation of past security initiatives that were led by external powers.

Which of the above statements 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 the BioE3 Policy:

1. The policy exclusively focuses on healthcare and pharmaceutical manufacturing.
2. It includes provisions for building capacity through internships and fellowships.
3. Marine and space research are among the thematic sectors covered under the policy.

How many of the above statements is/are correct?

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

9) Which pension scheme replaced the Old Pension Scheme (OPS) for government employees who joined service after January 1, 2004?

- a) National Pension Scheme (NPS)
- b) Unified Pension Scheme (UPS)
- c) New Pension Scheme (NPS)
- d) Pension Fund Regulatory Scheme (PFRS)

10) Which of the following is true about the Agricultural Infrastructure Fund (AIF) launched by the Government of India in July 2020?

- a) The AIF is designed exclusively for post-harvest infrastructure projects.
- b) The AIF provides only grants, not loans or credit.
- c) The AIF is part of the broader Atmanirbhar Bharat initiative.
- d) The AIF has no provision for financing projects led by Farmers' Producers Organisations (FPOs)

11) The National Medical Register (NMR) Portal, launched by the Union Minister for Health, is a digital database for which of the following?

- a) Registered nurses in India
- b) Registered Ayurvedic practitioners in India
- c) Registered allopathic (MBBS) doctors in India
- d) Registered medical technicians in India

12) What is the primary purpose of Bharat Biotech's Hillchol (BBV131) vaccine?

- a) To prevent tuberculosis
- b) To treat dengue fever
- c) To combat cholera
- d) To prevent malaria

13) What is the primary technology used in the development of the needle-free intranasal COVID-19 booster vaccine by Indian Immunologicals Ltd (IIL) in collaboration with Griffith University?

- a) mRNA technology
- b) Inactivated virus technology
- c) Vector-based vaccine technology
- d) Codon deoptimization technology

14) With reference to the recent ban on fixed-dose combination (FDC) drugs by the Indian government, consider the following statements:

1. FDCs are a combination of two or more drugs in a single dose, always used to enhance therapeutic effects.
2. The ban on 156 FDC drugs was due to concerns over their irrational use and lack of therapeutic benefit.
3. Overuse of FDCs has the potential to contribute to global health issues such as antibiotic resistance.

How many of the above statements is/are correct?

- a) Only one
- b) Only two

- c) All three
- d) None

15) With reference to the Unified Lending Interface (ULI), consider the following statements:

1. ULI involves the use of advanced technologies like APIs and secure digital platforms.
2. ULI aims to reduce the cost of borrowing by offering government-subsidized interest rates.
3. ULI seeks to integrate and standardize lending processes across different financial institutions.

Which of the statements given above is/are correct?

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

16) Consider the following statements regarding Solar Paraboloid Technology:

1. It is a type of photovoltaic technology that directly converts sunlight into electricity.
2. It uses parabolic mirrors to concentrate sunlight onto a specific point to generate high temperatures.
3. This technology is known for its high efficiency compared to traditional photovoltaic systems.

How many of the above statements is/are correct?

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

17) Which of the following is true about the perpetual bonds issued by Canara Bank?

- a) They have a fixed maturity date of 10 years.
- b) They do not attract investor interest due to high risk.

c) They do not attract investor interest due to high risk.

d) They are India's first Additional Tier I perpetual bonds issued after recent regulatory changes.

18) Consider the following statements regarding the National Medical Register (NMR) under the National Medical Commission (NMC) Act, 2019:

1. The NMR is managed by the Ethics & Medical Registration Board (EMRB) of NMC.

2. The NMR requires doctors to submit annual reports on their practice to maintain their registration.

3. The NMR aims to enhance the digital healthcare ecosystem and ensure transparent access to quality medical professionals.

Which of the above statements is correct?

a) 1 only

b) 2 only

c) 3 only

d) 1 and 3 only

19) Consider the following statements about perpetual bonds:

1. Perpetual bonds are considered part of the equity capital of a company.

2. They provide interest payments indefinitely, without a fixed maturity date.

3. The principal of perpetual bonds is repaid after a set period, usually 30 years.

Which of the above statements is/are correct?

a) 1 and 2 only

b) 2 only

c) 1 and 3 only

d) 2 and 3 only

20) Consider the following statements about cholera:

1. Cholera is a bacterial disease that can cause rapid fluid loss and severe dehydration.

2. The primary mode of transmission for cholera is through contaminated water or food.

3. Antibiotics are the primary treatment for cholera, and rehydration therapy is secondary.

Which of the above statements is/are correct?

a) 1 and 2 only

b) 2 and 3 only

c) 1 and 3 only

d) 1, 2, and 3

21) Consider the following statements regarding the New India Literacy Programme (NILP):

1. Literacy under NILP is defined solely as the ability to read and write.

2. Full literacy is defined as achieving 100% literacy in a State/UT.

3. The redefined literacy includes critical skills like digital and financial literacy.

Which of the above statements is/are correct?

a) 1 only

b) 2 only

c) 3 only

d) 1, 2, and 3

22) Which of the following statements is true regarding the vegetation in the Hollongapar Gibbon Sanctuary?

a) The upper canopy is primarily composed of nahar trees.

b) The middle canopy is dominated by hollong trees.

c) The sanctuary's vegetation includes a variety of evergreen shrubs and herbs in the lower canopy.

- d) The sanctuary is characterized by sparse vegetation, with a predominance of grasses.
- 23) Which of the following factors primarily contribute to mass wasting in Tibet's Sedongpu Gully, affecting the Brahmaputra River?
- Overgrazing by livestock
 - Unregulated mining activities
 - Large-scale deforestation
 - Warming and seismic activity
- 24) Which of the following statements accurately describes the role of state governments in the creation of new districts in India?
- State governments can create new districts only with the approval of the Parliament.
 - State governments have the authority to create, alter, or abolish districts through executive orders or laws passed in the State Assembly.
 - The creation of new districts requires direct involvement of the President of India.
 - New districts can only be created by amending the Constitution.
- 25) Consider the following statements regarding the New India Literacy Programme (NILP):
- NILP is a centrally sponsored scheme aimed at educating individuals aged 15 and above.
 - The program specifically targets females and backward states to reduce literacy gaps.
 - NILP provides vocational training for youth in urban areas as its main focus.
- Which of the above statements is/are correct?
- 1 and 2 only
 - 1 and 3 only
 - 2 and 3 only
 - 1, 2, and 3
- 26) Which of the following statements is true regarding the types of mass wasting?
- Landslides are characterized by the sudden and rapid movement of large amounts of soil and rock.
 - Rockfalls occur when large volumes of rock move gradually down a slope.
 - Soil creep is a rapid movement of soil downhill during an earthquake.
 - Avalanches involve the slow movement of soil and debris due to water saturation.
- 27) Which of the following statements accurately describes Leptospirosis?
- Leptospirosis is a viral disease transmitted primarily through airborne droplets.
 - Leptospirosis is a zoonotic bacterial disease transmitted to humans through contaminated water, especially during the monsoons.
 - Leptospirosis spreads easily through human-to-human contact.
 - Leptospirosis is a fungal infection commonly found in arid regions.
- 28) Which of the following statements is true regarding the procedure for renaming districts in India?
- Renaming districts requires a constitutional amendment.
 - The renaming process requires clearance from the Central Government after a proposal is submitted by the state.
 - State governments can rename districts without any involvement from the Central Government.
 - The Supreme Court of India must approve the renaming of districts.

- 29) Which of the following preventive measures is recommended to reduce the risk of leptospirosis?
- Filling holes in walls to prevent rats from entering homes
 - Wearing masks to prevent inhalation of bacteria
 - Frequent use of hand sanitizers
 - Consuming probiotics regularly
- 30) Which of the following statements is true regarding the conservation status of hoolock gibbons?
- Both eastern and western hoolock gibbons are classified as Critically Endangered by the IUCN.
 - Neither of the hoolock gibbon species in India is protected under Indian law.
 - Both species of hoolock gibbons in India are listed as Least Concern on the IUCN Red List.
 - The western hoolock gibbon is classified as Endangered, and the eastern hoolock gibbon is classified as Vulnerable by the IUCN.
- 31) Which of the following is a key condition for an insult or intimidation of SC/ST members to be considered an offence under the SC/ST (Prevention of Atrocities) Act, 1989, as per the Supreme Court ruling?
- The insult or intimidation must be intentional.
 - The insult or intimidation must occur in a public place.
 - The insult or intimidation must be based on the victim's caste.
 - The insult or intimidation must involve physical harm.
- 32) Which of the following organisms is known to exhibit the phenomenon of Sonoluminescence?
- Pistol shrimp
 - Electric eel
 - Jellyfish
 - Firefly
- 33) Which of the following environmental impacts is directly linked to lithium mining in the Atacama Desert?
- Increased volcanic eruptions
 - Significant loss of mangrove forests
 - Contamination of ecosystems and water scarcity
 - Melting of polar ice caps
- 34) Which organization is piloting the ₹72,000-crore Great Nicobar Island (GNI) Project?
- NITI Aayog
 - Ministry of Home Affairs
 - Ministry of Environment, Forest and Climate Change
 - Andaman and Nicobar Administration
- 35) What is the primary objective of the Pradhan Mantri Janjati Adivasi Nyaya Maha Abhiyan (PM-JANMAN) campaign launched by the Union Ministry of Tribal Affairs?
- To achieve 100% saturation of government schemes in Particularly Vulnerable Tribal Group (PVTG) areas.
 - To promote tribal tourism across India.
 - To introduce new education schemes for tribal children.
 - To develop infrastructure in urban tribal settlements.
- 36) What is the primary cause of the flash of light seen in Sonoluminescence?
- Chemical reactions within the bubble
 - Rapid cooling of the bubble
 - Electrical discharge from the organism
 - Rapid collapse of a bubble caused by sound waves

- 37) Which of the following is NOT a component of the Great Nicobar Island (GNI) Project?
- A transshipment port at Galathea Bay
 - A dual-use military-civil international airport
 - A power plant
 - A mega shopping mall complex
- 38) Which of the following offences is specifically punished under the SC/ST (Prevention of Atrocities) Act, 1989?
- Offences related to dowry
 - Manual scavenging
 - Domestic violence
 - Theft
- 39) Which of the following national parks is located near the area designated for the township and area development in the Great Nicobar Island (GNI) project?
- Galathea National Park
 - Campbell Bay National Park
 - Mahatma Gandhi Marine National Park
 - Rani Jhansi Marine National Park
- 40) Which of the following activities is NOT a part of the IEC campaign under PM-JANMAN?
- Distribution of entitlements to PVTG members.
 - Organization of health camps in tribal areas.
 - Conducting awareness campaigns in tribal languages.
 - Development of urban housing projects for tribals.
- 41) What is the significance of National Space Day, celebrated on August 23 in India?
- It commemorates the success of the Chandrayaan-3 mission and India's achievements in space exploration.
 - It marks the anniversary of India's first satellite launch.
 - It celebrates the establishment of ISRO.
 - It is a day dedicated to promoting STEM education in India.
- 42) Which of the following statements correctly describes Botswana's geographical position?
- Botswana is a coastal country in Southern Africa with access to the Indian Ocean.
 - Botswana shares a border with Mozambique and Angola.
 - Botswana is a landlocked country in Southern Africa bordered by South Africa, Namibia, and Zimbabwe, and connected to Zambia via the Kazungula Bridge.
 - Botswana is located in East Africa and is bordered by Kenya and Tanzania.
- 43) Consider the following statements regarding the All India Initiative on Creative Economy (AIICE):
- The AIICE aims to incorporate digital technologies into the creative economy by promoting IT-based solutions for artisans.
 - The creative economy, as targeted by AIICE, includes sectors such as film, music, design, and fashion, which are rooted in creativity and culture.
 - The initiative is expected to affect only a small percentage of India's workforce, primarily those employed in the tech industry.
- Which of the above statements is/are correct?
- 1 and 2 only
 - 2 only
 - 1 and 3 only
 - 3 only
- 44) Which of the following is a key feature of India's first reusable hybrid rocket, RHUMI-1?

- a) It uses a fully liquid-fueled propulsion system.
- b) It reached an altitude of 100 kilometers, entering low Earth orbit.
- c) It is the first rocket developed by ISRO for human spaceflight.
- d) It is designed to advance research on climate change and atmospheric conditions.
- 45) Which of the following best describes the function of mRNA in mRNA vaccines?
- a) mRNA integrates into the host genome to provide long-term immunity
- b) mRNA directly attacks the virus upon vaccination
- c) mRNA serves as a blueprint for cells to produce viral proteins that trigger an immune response
- d) mRNA triggers the production of DNA in the host cells
- 46) The Okavango Delta in Botswana is known for which of the following features?
- a) It is a seasonal floodplain that becomes a lush animal habitat during floods.
- b) It is a permanent, year-round swamp.
- c) It is a desert region with little to no vegetation.
- d) It is a mountainous region with snow-capped peaks.
- 47) What is the primary mission objective of the Tanager-1 satellite launched by NASA in collaboration with various organizations?
- a) To monitor solar radiation and its impact on Earth's climate.
- b) To study the impacts of deforestation on global ecosystems.
- c) To explore the outer planets of the solar system.
- d) To track methane and carbon dioxide emissions using imaging spectrometer technology.
- 48) Consider the following statements about mRNA vaccines:
- mRNA vaccines work by directly incorporating the viral mRNA into the host DNA to produce the viral protein.
 - The spike protein produced by the mRNA is recognized by the immune system, which then produces antibodies and T cells.
 - The antibodies produced after vaccination with an mRNA vaccine prevent the virus from entering cells by binding to the spike protein.
- Which of the above statements is/are correct?
- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) 3 only
- 49) Consider the following statements about blueberries:
- Blueberries are typically grown in tropical climates with well-drained, alkaline soils.
 - The high anthocyanin content in blueberries contributes to their classification as a superfood due to its role in protecting cells from oxidative stress.
 - Regular consumption of blueberries has been linked to improved heart health, brain function, and a reduced risk of certain cancers.
- Which of the above statements is/are correct?
- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only

d)3 only

50) Which of the following statements regarding methane is correct?

a) Methane is easier to detect than carbon dioxide.

b) Methane is more abundant in the atmosphere than carbon dioxide.

c) Methane emissions are primarily natural and thus require more monitoring.

d) Methane is a potent greenhouse gas that contributes significantly to global warming and forms ground-level ozone, which poses health risks.



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