

WEEKLY QUIZ

DATE : 12th – 18th AUGUST

1) To obtain full benefits of demographic dividend, what should India do?

- (a) Promoting skill development
- (b) Introducing more social security schemes
- (c) Reducing infant mortality rate
- (d) Privatization of higher education

2) India is regarded as a country with “Demographic Dividend”. This is due to

- (a) Its high population in the age group below 15 years
- (b) Its high population in the age group of 15-64 years
- (c) Its high population in the age group above 65 years
- (d) Its high total population

3) Despite being a high saving economy, capital formation may not result in significant increase in output due to

- (a) weak administrative machinery
- (b) illiteracy
- (c) high population density
- (d) high capital-output ratio

4) The recent discovery at Gobekli Tepe in southern Turkey suggests that the site may have been used as:

- (a) A burial ground for ancient kings
- (b) A marketplace for trading goods
- (c) The world’s oldest lunisolar calendar
- (d) A military fortification to protect against invasions

5) Consider the following statements regarding pyrocumulonimbus clouds:

1. These clouds form during extremely hot wildfires or volcanic eruptions.
2. Pyrocumulonimbus clouds often produce heavy rainfall, helping to extinguish wildfires.
3. Rising global temperatures have contributed to the increased formation of these clouds.

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

6) Variations in the length of daytime and nighttime from season to season are due to

- (a) the earth’s rotation on its axis
- (b) the earth’s revolution around the sun in an elliptical manner

(c) the latitudinal position of the place

(d) revolution of the earth on a tilted axis

7) Consider the following:

1. Carbon monoxide
2. Methane
3. Ozone
4. Sulphur dioxide

Which of the above are released into the atmosphere due to the burning of crop/biomass residue?

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

8) Consider the following statements:

1. Agricultural soils release nitrogen oxides into the environment.
2. Cattle release ammonia into the environment.
3. Poultry industry releases reactive nitrogen compounds into the environment.

Which of the statements given above is/are correct?

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

9) Though coffee and tea both are cultivated on hill slopes, there is some difference between them regarding their cultivation. In this context, consider the following statements:

1. Coffee plants require a hot and humid climate of tropical areas whereas tea can be cultivated in both tropical and subtropical areas.
2. Coffee is propagated by seeds but tea is propagated by stem cuttings only.

Which of the statements given above is/are correct?

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

10) Consider the following statements:

1. Under Ramsar Convention, it is mandatory on the part of the Government of India to protect and conserve all the wetlands in the territory of India.
2. The Wetlands (Conservation and Management) Rules, 2010 were framed by the Government of India based on the recommendations of Ramsar Convention.
3. The Wetlands (Conservation and Management) Rules, 2010 also encompass the drainage area or catchment regions of the wetlands as determined by the authority.

Which of the statements given above is/are correct?

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

11) With reference to a conservation organization called 'Wetlands International', which of the following statements is/are correct?

1. It is an intergovernmental organization formed by the countries which are signatories to Ramsar Convention.
2. It works at the field level to develop and mobilize knowledge, and use the practical experience to advocate for better policies.

Select the correct answer using the code given below:

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

12) Consider the following statements regarding the process for designating senior advocates in India:

1. The 2018 guidelines for designating senior advocates introduced a point-based system focusing on an advocate's legal practice, judgments, and publications.
2. The 2023 revised guidelines further reduced the emphasis on publications and stressed the importance of legal achievements.
3. The Supreme Court's new guidelines mandate that secret ballot voting should be used as the primary method for designating senior advocates.

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

13) Consider the following statements regarding Tantalum:

1. Tantalum is a rare metal with a high melting point and corrosion resistance.

2. It is primarily used in the agriculture sector due to its ability to enhance crop yields.
3. India imports almost all of its Tantalum, mainly from the Democratic Republic of the Congo.

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

14) What major environmental challenge is currently threatening the operation of the Panama Canal?

- (a) Rising sea levels
- (b) Melting polar ice caps
- (c) Persistent droughts reducing water levels in Lake Gatun
- (d) Increased frequency of hurricanes

15) Namami Gange Mission 2.0 is an extension of the original Namami Gange Programme, launched in 2014. What is the primary focus of this mission?

- (a) Industrial development along the Ganga
- (b) Agricultural development in the Ganga basin
- (c) Promoting tourism along the Ganga
- (d) Sewage treatment and pollution abatement

16) The process of vertical rise in stable landforms, such as the Western Ghats, is triggered by:

- (a) Deep mantle waves following the breakup of continental plates
- (b) Volcanic eruptions
- (c) Earthquake activities
- (d) Tectonic plate collisions

17) Which new categories were included for the first time in the India Rankings 2024?

- (a) Central Universities and Private Universities
- (b) State Public Universities, Open Universities, and Skill Universities
- (c) International Universities and Deemed Universities
- (d) Agricultural Universities and Law Schools

18) Consider the following statements regarding Panama Canal:

1. The Panama Canal relies on Lake Gatun, an artificial lake, to provide the freshwater needed to operate its lock system.
2. The canal connects the Atlantic and Pacific Oceans, making it a crucial shipping route.

Which of the above statements is/are incorrect?

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

19) Consider the following statements regarding the denotification of a wildlife sanctuary in Galathea Bay, Great Nicobar Island:

1. The sanctuary was denotified to facilitate the construction of a transshipment port project.
2. The area was a significant nesting site for the endangered giant leatherback turtle.
3. The area was originally classified as a CRZ-1A zone, where large construction projects are encouraged.

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

20) Consider the following statements regarding the properties of Triboelectric nanogenerators (TEGs).
STATEMENT 1: They are composed of active materials and conductive electrodes.

STATEMENT 2: It require external power source to function.

Which of the statements above is/are correct?

- (a) Only STATEMENT 1
- (b) Only STATEMENT 2
- (c) BOTH STATEMENTS
- (d) Neither statements

21) Consider the following statements regarding Bio-bitumen.

1. Bio-bitumen is derived from paddy straw.
2. It can produce bio-gas and biochar.
3. The government plans to allow up to 35% bio-bitumen mixing with petroleum-based bitumen to reduce foreign exchange outflows and address environmental concerns

How many of the above statements is/are correct?

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

26) Recently three underwater geographical structures in the Indian Ocean have been named after Indian historical figures. These names, proposed by India, were recently approved by

- (a) National Centre for Polar and Ocean Research (NCPOR)
- (b) World Meteorological Organization (WMO)
- (c) International Hydrographic Organization (IHO)
- (d) International Seabed Authority (ISA)

27) Which organization launched the project 'Polar Coupled Analysis and Prediction for Services' (PCAPS)?

- (a) UNESCO
- (b) World Meteorological Organization (WMO)

22) Consider the following statements regarding Lake Turkana, recently in news.

1. Lake Turkana is the largest desert lake in the world.
2. known for its unique greenish-blue colour.
3. It is located in South America.

How many of the above statements is/are correct?

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

23) Consider the following statements regarding the characteristics of AB-PMJAY scheme
STATEMENT 1: It covers only primary care hospitalization.

STATEMENT 2: It provides medical insurance of Rs 5 Lakh to marginalized families.

Which of the statements above is/are correct?

- (a) Only STATEMENT 1
- (b) Only STATEMENT 2
- (c) BOTH STATEMENTS
- (d) Neither statements

24) Which of the following is NOT a governance framework for regulating technologies in India?

- (a) Competition Act, 2002
- (b) Information Technology Act, 2000
- (c) National Strategy for Artificial Intelligence (2018)
- (d) Sherman Antitrust Act

25) How does the Ayushman Bharat Digital Mission (ABDM) differ from ABPM-JAY in terms of its classification as a government scheme?

- (a) ABDM is a state-sponsored scheme, while ABPM-JAY is centrally sponsored
- (b) ABDM is a centrally sponsored scheme, while ABPM-JAY is a central sector scheme
- (c) ABDM is a central sector scheme, while ABPM-JAY is centrally sponsored
- (d) Both ABDM and ABPM-JAY are centrally sponsored schemes

(c) International Hydrographic Organization (IHO)

(d) National Centre for Polar and Ocean Research (NCPOR)

28) In the Ocean floor, generally which of the following appears at the bottom

- (a) Continental Shelf
- (b) Seamount
- (c) Abyssal plain
- (d) Rift valley

29) What is the primary objective of the Clean Plant Programme (CPP) approved by the Union Cabinet?

- (a) To increase fruit exports
- (b) To engage women farmers

- (c) To establish Clean Plant Centers
(d) To revolutionize India's horticulture sector
- 30) Which of the following statements is/are correct regarding Polar Coupled Analysis and Prediction for Services (PCAPS).
(a) It is aimed at enhancing weather, water, ice, and climate forecasting in the Arctic and Antarctic regions.
(b) It seeks to improve security and safety for those living or travelling in polar areas
(c) The project addresses the rapid climate change in polar regions
(d) All of the above
- 31) Which of the following is not an example of technological doping in sports?
(a) Speedo's LZR Racer swimsuits
(b) Wearable technology for performance data
(c) Nike's Vaporfly running shoes
(d) Traditional leather football boots
- 32) Where is the Tungabhadra Dam located?
(a) Tamil Nadu
(b) Andhra Pradesh
(c) Karnataka
(d) Kerala
- 33) Consider the following statements regarding Kerala's Jewish communities
1. Most Kerala Jews remained in Kerala after Israel's formation.
2. Malabar Jews trace origins to King Solomon's era.
3. Recently Kerala witnessed the death of the last Paradesi Jewish woman.
- How many of the above statements is/are correct?
(a) Only one
(b) Only two
(c) All three
(d) None
- 34) Consider the following statements regarding Preventive detention laws in India
STATEMENT 1: Article 22(7) of the Constitution of India allows extended preventive detention.
STATEMENT 2: Unlawful Activities (Prevention) Act permits preventive detention.
Which of the statements above is/are correct?
(a) Only STATEMENT 1
(b) Only STATEMENT 2
(c) BOTH STATEMENTS
(d) Neither statements
- 35) Consider the following statements regarding the Geneva Conventions and their scope.
1. Excludes protection for wounded soldiers at sea.
2. Cover treatment of prisoners of war.
3. Protects civilians from inhumane treatment.
- How many of the above statements is/are correct?
(a) Only one
(b) Only two
(c) All three
(d) None
- 36) Wearable technology in sports is primarily used to:
(a) Enhance the physical strength of athletes
(b) Directly influence an athlete's physical capabilities
(c) Replace traditional training methods
(d) Monitor and analyze performance data
- 37) What must be done before establishing a new institution or increasing admission capacity in allied and healthcare professions as per the **National Commission for Allied and Healthcare Professions (NCAHP) Act, 2021**?
(a) Obtain permission from the National Commission
(b) Submit an application to the local government
(c) Seek approval from the Ministry of Health
(d) Obtain permission from the State Council
- 38) Consider the following statements regarding the Civil Registration System (CRS) and the Registration of Births and Deaths (Amendment) Act, 2023:
1. The Civil Registration System (CRS) is a centralised portal for digitally registering all births and deaths in India.
2. The data from the CRS will not be used to update other databases such as the National Population Register (NPR) and electoral rolls.
- Which of the above statements is/are correct?
(a) 1 only
(b) 2 only
(c) Both 1 and 2
(d) Neither 1 nor 2
- 39) The Defence Research and Development Organisation (DRDO) successfully conducted the maiden flight test of the long-range glide bomb (LRGB) "Gaurav" on August 13, 2024. Which of the following statements is correct regarding the Gaurav glide bomb?
(a) It is a 500 kg class glide bomb capable of hitting targets at short distances.
(b) It is a sea-launched 1,000 kg class glide bomb designed for naval warfare.
(c) It is an air-launched 1,000 kg class glide bomb capable of hitting targets at long distances, using a highly accurate hybrid navigation scheme.
(d) It is a ground-launched missile with a hybrid propulsion system.
- 40) Which of the following statements is correct regarding the Jiyo Parsi Scheme launched by the Minister for Minority Affairs, Kiren Rijiju, on August 13, 2024?
(a) The scheme is aimed at increasing the population of the Parsi community by providing incentives for large families.

- (b) The scheme provides financial assistance only for the education of Parsi children.
 - (c) The scheme aims to reverse the declining trend of the Parsi population by adopting a scientific protocol and providing financial assistance for medical treatment and childcare.
 - (d) The scheme focuses on promoting inter-community marriages to increase the Parsi population.
- 41) What is the primary environmental concern associated with the discharge of ballast water by ships at new ports?
- (a) Increase in oil spills
 - (b) Increase in shipwrecks
 - (c) Decline in water temperature
 - (d) Introduction of invasive species
- 42) Consider the following statements about the 'FloodWatch India' mobile application:
1. The app provides real-time flood monitoring data from over 500 flood monitoring stations.
 2. The app is available in English only and provides information exclusively in text format.
 3. The app includes data on the storage levels of major reservoirs, helping assess flood risks.

Which of the statements given above is/are correct?

- (a) 1 and 2 only
 - (b) 1 and 3 only
 - (c) 3 only
 - (d) 1, 2, and 3
- 43) Which of the following techniques is used to track and manage "forever chemicals" known as per- and polyfluoroalkyl substances (PFAS)?
- (a) Gas Chromatography
 - (b) Ultraviolet Spectroscopy
 - (c) Mass Spectrometry
 - (d) Nuclear Magnetic Resonance (NMR) Spectroscopy
- 44) Why are PFAS chemicals often referred to as "forever chemicals"?
- (a) They are used in products that last forever.
 - (b) They have no adverse environmental impact.
 - (c) They persist in the environment for thousands of years.
 - (d) They are naturally occurring in the environment.
- 45) Consider the following statements regarding Distributed Denial-of-Service (DDoS) attacks:
- 49) With reference to the water on the planet Earth, consider the following statements:
1. The amount of water in the rivers and lakes is more than the amount of groundwater.
 2. The amount of water in polar ice caps and glaciers is more than the amount of groundwater.

Which of the statements given above is/are correct?

- (a) 1 only

1. A DDoS attack is characterized by overwhelming a server with traffic from multiple sources, making it difficult for legitimate users to access the service.
2. DDoS attacks are typically easier to counter than traditional Denial-of-Service (DoS) attacks because they originate from a single source.
3. DDoS attacks can result in slow loading times or complete inaccessibility of online services.

Which of the statements given above is/are incorrect?

- (a) 1 and 2 only
 - (b) 1 and 3 only
 - (c) 2 and 3 only
 - (d) 2 only
- 46) Which method is associated with Distributed Denial-of-Service (DDoS) attacks?
- (a) Smurf Attack
 - (b) Cross-Site Scripting
 - (c) Man-in-the-Middle Attack
 - (d) SQL Injection
- 47) Consider the following statements: DNA Barcoding can be a tool to
1. assess the age of a plant or animal.
 2. distinguish among species that look alike.
 3. identify undesirable animal or plant materials in processed foods.

Which of the statements given above is/are correct?

- (a) 1 only
 - (b) 3 only
 - (c) 1 and 2
 - (d) 2 and 3
- 48) With reference to the recent developments in science, which one of the following statements is not correct?
- (a) Functional chromosomes can be created by joining segments of DNA taken from cells of different species.
 - (b) Pieces of artificial functional DNA can be created in laboratories.
 - (c) A piece of DNA taken out from an animal cell can be made to replicate outside a living cell in a laboratory.
 - (d) Cells taken out from plants and animals can be made to undergo cell division in laboratory petri dishes.
- (b) 2 only
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2
- 50) Which of the following is the chief characteristic of 'mixed farming'?
- (a) Cultivation of both cash crops and food crops
 - (b) Cultivation of two or more crops in the same field
 - (c) Rearing of animals and cultivation of crops together
 - (d) None of the above