

WEEKLY QUIZ

DATE : 9th – 15th September

1. Consider the following statements about Florence Nightingale:

- 1) Florence Nightingale was a social reformer and the founder of modern nursing.
 - 2) She gained recognition for organizing care during the First World War.
 - 3) Florence Nightingale established the first scientifically based nursing school in London.
 - 4) 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

2. Which of the following is a key feature of the PM Electric Drive Revolution in Innovative Vehicle Enhancement (PM E-Drive) Scheme?

- a) The scheme aims to promote electric buses for public transport in major cities.
- b) Subsidies for the purchase of electric vehicles will be implemented by the Ministry of Renewable Energy.
- c) The scheme provides no financial support for the development of EV charging infrastructure.
- d) Only private electric vehicle buyers will benefit from the scheme.

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4. Which of the following is a key ecological benefit of Myristica swamp forests, such as the one recently discovered near the Goa-Maharashtra border?

- a) They serve as important agricultural lands for crop cultivation.
- b) They contribute to groundwater recharge and flood mitigation.
- c) They promote the spread of invasive species in the Western Ghats.
- d) They deplete soil nutrients, making the land unsuitable for plant growth.

5. What is the primary objective of the ONDC Saarthi app launched in collaboration with Bhashini?

- To provide real-time multilingual support for businesses and customers
- To promote digital payments exclusively in rural areas
- To develop blockchain infrastructure for e-commerce
- None of the above

6. Which of the following is a key environmental threat currently facing the Bhadra Tiger Reserve (BTR)?

- Deforestation due to illegal logging
- The rapid spread of the invasive weed *Mikania micrantha*
- Extensive mining activities within the reserve
- Poaching of tigers on a large scale

7. Consider the following statements about salt pan lands:

- Salt pan lands are formed through the evaporation of water, leaving behind salt and mineral deposits.
- Salt pan lands are exclusively found in desert environments.
- Coastal salt pans are formed by the evaporation of seawater in shallow basins.

How many of the above statements is/are correct?

- Only one
- Only two
- All three
- None

8. Consider the following statements about the PM E-Drive Scheme:

- The scheme exclusively focuses on promoting electric vehicles for personal use.
- The Ministry of Renewable Energy is responsible for implementing the PM E-Drive Scheme.
- The scheme does not provide any financial support for developing charging infrastructure.

How many of the above statements is/are correct?

- Only one
- Only two
- All three
- None

9. Which of the following organizations plays a key role in the implementation of Mission Mausam?

- National Centre for Medium-Range Weather Forecasting (NCMRWF)
- Indian Space Research Organisation (ISRO)
- Ministry of Environment, Forest and Climate Change (MoEFCC)
- Ministry of New and Renewable Energy (MNRE)

10. Consider the following statements about the Myristica swamp forest and its conservation:

- The forest is primarily a source of commercial timber and firewood for local communities.
- The sacred grove within the forest has been protected mainly for religious reasons, with no environmental benefits.
- The discovery of this forest has led to its immediate commercialization for tourism purposes.

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

11. Consider the following statements regarding Sakthan Thampuran:

- 1) He relocated the capital of the Cochin kingdom from Thrippunithura to Thrissur.
- 2) Sakthan Thampuran signed a treaty with Tipu Sultan to ensure the kingdom's independence.
- 3) He is credited with eliminating crime and reforming temple management in his kingdom.

Which of the statements given above are correct?

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

12. Presbyopia is primarily caused by the loss of elasticity in which part of the eye?

- a) Retina
- b) Cornea
- c) Optic nerve
- d) Lens

13. Siddha medicine, a traditional system of healing, originated in which part of India?

- a) Kerala
- b) Karnataka
- c) Tamil Nadu
- d) Andhra Pradesh

14. Consider the following statements about SEBI's updated rules for Foreign Venture Capital Investors (FVCIs):

- 1) Resident Indians (RIs), Non-Resident Indians (NRIs), and Overseas Citizens of India (OCI) are allowed to contribute freely without any caps to an FVCI.
- 2) The registration process for FVCIs is handled by SEBI directly.
- 3) FVCIs must hold their investments in demat form starting January 1, 2025.

Which of the statements given above are correct?

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

15. Consider the following statements regarding the principles of Siddha medicine:

- 1) Siddha medicine is based on the balance of five elements: earth, water, fire, air, and ether.
- 2) Siddha treatments avoid the use of minerals and metals, focusing solely on herbal remedies.
- 3) Siddha focuses on treating only physical ailments and does not include mental or spiritual aspects.

Which of the statements given above are correct?

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

16. Consider the following statements about presbyopia:

- 1) Presbyopia affects the ability to focus on nearby objects.
- 2) The condition progresses rapidly in young adults.

3) Multifocal lenses are one way to manage presbyopia.

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 regarding Extended Producer Responsibility (EPR):

- 1) EPR aims to hold producers accountable for the environmental impact of their products throughout their lifecycle.
- 2) EPR encourages producers to take ownership of the disposal process, including recycling and waste management.
- 3) EPR eliminates the role of consumers in reducing waste and pollution.

How many of the above statements is/are correct?

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

18. Consider the following statements about the Responsible Use of Artificial Intelligence in the Military Domain (REAIM) summit:

- 1) The summit discusses the implications of AI beyond just autonomous weapons, including broader military applications.
- 2) India has taken a proactive role in shaping global AI norms at the summit.
- 3) The US has promoted responsible AI use through national guidelines and a UN resolution.

Which of the above statements are incorrect?

- a) 1 and 2 only

b) 2 and 3 only

c) 2 only

d) 1, and 3 only

19. Consider the following statements regarding the contributions of Sakthan Thampuran:

- 1) He developed Thrissur by inviting merchants of all religions and British officials.
- 2) Thampuran is credited with the introduction of land revenue reforms in the Cochin kingdom.
- 3) He played a key role in securing the kingdom's finances and infrastructure development.

Which of the statements given above are correct?

a) 1 and 2 only

b) 2 and 3 only

c) 1, 2, and 3

d) 1 and 3 only

20. As per the updated SEBI rules for Foreign Venture Capital Investors (FVCIs), who is responsible for the registration process of FVCIs?

- a) Designated Depository Participants (DDPs)
- b) SEBI directly
- c) Reserve Bank of India (RBI)
- d) Ministry of Finance

21. How does the reduction of sea ice in the Central Arctic influence the Indian monsoon patterns?

- a) Increases rainfall in western India and reduces it in northern India
- b) Reduces Rossby waves and weakens the Indian monsoon
- c) Shifts the Asian jet stream, increasing rainfall in northern and central India

- d) Causes high-pressure systems over southern India, leading to droughts
22. What is the primary purpose of the Air Quality Management Exchange Platform (AQMx), introduced by the CCAC?
- To monitor climate change
 - To track greenhouse gas emissions
 - To provide real-time air quality data to the public
 - To facilitate global cooperation for improving air quality
23. Consider the following statements regarding the impact of polar ice melting on global climate systems:
- The melting of Arctic ice can disrupt thermohaline circulation, affecting global climate patterns.
 - Melting permafrost releases methane, a potent greenhouse gas, which contributes to global warming.
 - The melting of Antarctic ice has no significant impact on global sea levels due to its limited ice volume.

Which of the statements given above is/are correct?

- 1 and 2 only
 - 2 and 3 only
 - 1 only
 - 1, 2, and 3
24. Which of the following pollutants is regulated by the WHO Air Quality Guidelines (AQG)?
- Ozone (O₃)
 - Methane (CH₄)
 - Carbon dioxide (CO₂)
 - Water vapor (H₂O)

25. Consider the following statements regarding the elongated tortoise:

- The elongated tortoise is typically found in Southeast Asia and is rarely found in India.
- The species is listed as critically endangered due to illegal wildlife trade and habitat destruction.
- The elongated tortoise was recently spotted in Haryana's Sultanpur National Park.

How many of the above statements is/are correct?

- Only one
- Only two
- All three
- None

26. Consider the following statements about the Parliamentary Committee on Official Language (PCOL):

- The Committee was established under the Official Languages Act, 1963.
- The Committee consists of 30 members, with 20 from the Rajya Sabha and 10 from the Lok Sabha.
- One of the functions of the Committee is to review the progress of the adoption of Hindi for official purposes.

Which of the statements given above is/are incorrect?

- 1 and 2 only
- 1 and 3 only
- 2 and 3 only
- 2 only

27. Which of the following describes the role of the Aravalli Range in India?

- Acts as a buffer between the Western Ghats and the Deccan Plateau

- b) Serves as a natural divide between the Himalayan foothills and the Indo-Gangetic Plain
- c) Acts as an ecotone between the Thar Desert and the Gangetic Plain
- d) Separates the Vindhya Range from the Satpura Range

28. Consider the following statements regarding Amphibious Operations:

- 1) Amphibious operations require coordination between land, naval, and air forces.
- 2) These operations are only conducted during wartime scenarios.
- 3) The Indian Armed Forces have developed a doctrine for conducting amphibious operations in the Indian Ocean Region.

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 about the factors contributing to typhoon formation in Vietnam and the Philippines:

- 1) Warm ocean waters in the Western Pacific fuel the formation of typhoons.
- 2) Monsoonal winds often intensify typhoons, especially during the peak season.
- 3) The Philippines and Vietnam's geographic position shields them from the worst effects of typhoons.

Which of the statements given above is/are correct?

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

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

30. Which of the following countries does Vietnam share a land border with?

- a) Thailand, China, Laos
- b) Myanmar, China, Thailand
- c) China, Cambodia, Laos
- d) Cambodia, Thailand, Bangladesh

31. Which of the following global initiatives is led by the United Nations Environment Programme (UNEP) to combat marine plastic pollution?

- a) Global Tourism Plastics Initiative
- b) Ocean Plastics Charter
- c) Ocean Plastic Pollution Coalition
- d) Clean Seas Campaign

32. Consider the following statements regarding the Sahariya tribe:

- 1) The Sahariya tribe traces its origins back to the period of the Ramayana.
- 2) They primarily speak a dialect influenced by Hindi and Brij Bhasha.
- 3) The Sahariya tribe practices Buddhism as their primary religion.

How many of the above statements is/are correct?

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

33. India's first 'teal carbon' study was conducted in which of the following national parks?

- a) Kaziranga National Park
- b) Sundarbans National Park
- c) Keoladeo National Park

d) Jim Corbett National Park

34. Consider the following statements regarding the Standing Committee on Economic Statistics (SCES):

- 1) SCES was established by the Ministry of Finance.
- 2) The committee focuses primarily on advising survey methodology and finalizing survey tabulation plans.
- 3) SCES is a permanent committee tasked with providing oversight on economic statistics.

Which of the statements given above is/are correct?

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

35. Consider the following statements regarding Silicon Carbide (SiC):

- 1) SiC is known for its excellent thermal conductivity and mechanical strength.
- 2) It is commonly used in semiconductor devices, heat exchangers, and ballistic armor.
- 3) SiC is a natural crystalline compound found in Earth's crust.

Which of the statements given above is/are incorrect?

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

36. Consider the following statements regarding bioplastics:

- 1) Bioplastics are always biodegradable and compostable.

2) Bioplastics are derived from renewable biomass sources like corn starch and sugarcane.

3) Bio-plastics help reduce the dependency on fossil fuels for plastic production.

Which of the statements given above is/are correct?

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

37. The BepiColombo mission is a collaboration between which two space agencies.

- a) NASA and ESA
- b) Roscosmos and JAXA
- c) ISRO and NASA
- d) ESA and JAXA

38. Teal carbon refers to carbon stored in which of the following ecosystems?

- a) Mangroves and coastal wetlands
- b) Tropical rainforests
- c) Freshwater wetlands
- d) Grasslands and savannas

39. Consider the following statements regarding Keoladeo National Park:

- 1) It is in Bharatpur, Rajasthan, and is a UNESCO World Heritage Site.
- 2) Keoladeo National Park was declared the first Ramsar Site in India along with Vembanad Lake.
- 3) The Gambhir and Banganga rivers flow through the park, supporting its ecosystem.

How many of the above statements is/are correct?

- a) Only one
- b) Only two

- c) All three
d) None
40. Keoladeo National Park is known for which of the following rare migratory birds?
- a) Siberian Crane
b) Great Indian Bustard
c) Himalayan Monal
d) Indian Peafowl
41. Why is helium considered a non-renewable resource on Earth?
- a) It is chemically reactive and bonds with other elements easily
b) It is continuously consumed in nuclear fusion on Earth
c) Once released into the atmosphere, it escapes into space
d) It is only found in meteorites
42. Which Article of the Constitution provides for the appointment of High Court judges?
- a) Article 124
b) Article 356
c) Article 226
d) Article 217
43. Consider the following statements about Alzheimer's Disease (AD) and light pollution:
- 1) Alzheimer's Disease is a form of dementia that causes progressive memory and cognitive decline.
2) Light pollution has been linked to an increased risk of Alzheimer's Disease due to its impact on sleep quality.
- Which of the above statements is/are incorrect?
- a) 1 only
b) 2 only
c) Both 1 and 2
d) Neither 1 nor 2
44. What is the primary goal of planetary protection in space missions?
- a) To prevent contamination of Earth and other planetary bodies by alien microbes
b) To improve the efficiency of spacecraft
c) To increase the lifespan of space missions
d) To ensure fuel conservation during long space voyages
45. Consider the following statements regarding NIDHI (National Initiative for Developing and Harnessing Innovations):
- 1) NIDHI was launched by the Ministry of Finance to boost startups across India.
2) NIDHI is implemented through incubators associated with the National Science & Technology Entrepreneurship Development Board (NSTEDB).
3) A key component of NIDHI is NIDHI-iTBI, which focuses on converting innovations into startups.
- How many of the above statements is/are correct?
- a) Only one
b) Only two
c) All three
d) None
46. Where was helium first detected in 1868?
- a) In uranium ore on Earth
b) In the ocean depths
c) In the sunlight during a solar eclipse
d) In the atmosphere of Jupiter
47. Consider the following statements about India's adherence to planetary protection:

- 1) India's Mars Orbiter Mission (Mangalyaan) was designed to prevent contamination of Mars.
- 2) India is not a signatory to the Outer Space Treaty but still implements planetary protection measures.
- 3) ISRO collaborates with global space agencies to enhance planetary protection efforts.

Which of the above statements are correct?

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

48. Consider the following statements regarding judicial appointments in India:

- 1) The content of the consultation process in the Collegium system is open to judicial review.
- 2) The Supreme Court Collegium plays a role in recommending appointments of High Court judges.
- 3) The President of India is bound by the Collegium's recommendations for judicial appointments.

How many of the above statements is/are correct?

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

49. Consider the following statements about the Collegium system:

- 1) The Collegium system was established through judgments of the Supreme Court.
- 2) The Collegium system introduced open competition for the appointment of judges.

- 3) The appointment of the Chief Justice of India considers the senior-most judge of the Supreme Court.

How many of the above statements is/are correct?

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

50. Consider the following statements about helium:

- 1) Helium is primarily produced on Earth through nuclear fusion in stars.
- 2) Helium is a rare gas on Earth and is mainly produced through the radioactive decay of uranium.
- 3) Helium is widely used in cryogenics and MRI scanners due to its low boiling point.

Which of the above statements are correct?

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