

WEEKLY QUIZ

DATE : (17th Nov- 23rd Nov)

1. Consider the following statements:

Assertion (A): SFIO is empowered to investigate and prosecute complex corporate frauds in India.

Reason (R): SFIO derives its statutory status under the Companies Act, 2013.

Which one of the following is correct in respect of the above statements?

- A. Both Statement-I and Statement-II are correct and Statement-II explains Statement-I
- B. Both Statement-I and Statement-II are correct, but Statement-II does not explain Statement-I
- C. Statement-I is correct, but Statement-II is incorrect
- D. Statement-I is incorrect, but Statement-II is correct

2. Consider the following statements:

Assertion (A): Brain-eating amoeba infection can spread from person to person.

Reason (R): Infection by brain-eating amoeba most commonly occurs when contaminated water enters the nose.

Which one of the following is correct in respect of the above statements?

- A. Both Statement-I and Statement-II are correct and Statement-II explains Statement-I
- B. Both Statement-I and Statement-II are correct, but Statement-II does not explain Statement-I
- C. Statement-I is correct, but Statement-II is incorrect
- D. Statement-I is incorrect, but Statement-II is correct

3. Consider the following statements:

Assertion (A): The Code on Social Security, 2020, extends social security coverage to gig and platform workers.

Reason (R): The Code on Social Security, 2020, subsumes several existing labour acts.

Which one of the following is correct in respect of the above statements?

- A. Both Statement-I and Statement-II are correct and Statement-II explains Statement-I
- B. Both Statement-I and Statement-II are correct, but Statement-II does not explain Statement-I
- C. Statement-I is correct, but Statement-II is incorrect
- D. Statement-I is incorrect, but Statement-II is correct

4. Consider the following pairs:

- 1. Central India — Rise in extreme rainfall
- 2. Indo-Gangetic Plains — Increase in heat stress
- 3. Western Coast — Accelerated warming

How many of the above pairs are correctly matched?

- A. Only one
- B. Only two

- C. Only three
- D. None

5. Consider the following pairs:

- 1. FSSAI limits TFA to 2% — Regulates trans fatty acids in food products
- 2. Eat Right India Campaign — Ensure safe and wholesome food
- 3. All aerated beverages taxed at 18% GST — Sugar/flavouring beverages taxed at 40% GST

How many of the above pairs are correctly matched?

- A. Only one
- B. Only two
- C. Only three
- D. None

6. Which of the following best describes the Sagar Kavach exercise recently conducted along the Indian coastline?

- A. It is an inter-state mock drill for oil spill response coordinated by the Ministry of Environment, Forest and Climate Change.
- B. It is an annual naval exercise between India and Sri Lanka focusing on anti-piracy operations.
- C. It is a tri-service amphibious exercise focusing on disaster management in the Bay of Bengal.
- D. It is a biannual coastal security exercise conducted by the Indian Coast Guard to assess preparedness and strengthen the multi-layered Coastal Security Network.

7. The “National Framework on Traceability in Fisheries and Aquaculture 2025” aims to:

- A. Provide subsidies for deep sea fishing vessels for export promotion
- B. Establish a national digital traceability system for real-time tracking of seafood from ‘farm to plate’ and ‘catch to consumer’
- C. Implement a licensing regime for aquaculture operators in inland water bodies
- D. Regulate marine protected areas and restrict fishing activities in the Indian exclusive economic zone

8. Meerut Bugle, which received a GI tag, is primarily associated with:

- A. Religious festivals in Uttar Pradesh
- B. India’s military tradition and ceremonial events
- C. Classical Indian dance performances
- D. Indian traditional folk music

9. Which of the following organizations has been designated as a Recognised Security Organisation (RSO) for seaports under the International Ship and Port Facility Security (ISPS) code in India?

- A. Central Industrial Security Force
- B. Indian Navy

- C. Border Security Force
- D. National Disaster Response Force

10. Under Articles 200 and 201 of the Indian Constitution, what is the status of 'deemed assent' to Bills by the President or Governor?

- A. It is applicable only to Money Bills
- B. It is automatically granted after six months
- C. It is not recognized by the Constitution
- D. It is left to the discretion of the Chief Minister

11. The Javelin missile system, recently approved for sale to India, is best described as:

- A. A submarine-launched ballistic missile
- B. A long-range surface-to-air missile system
- C. An air-to-air missile optimized for fighter jets
- D. A man-portable, fire-and-forget anti-tank guided missile

12. Seychelles is geographically characterized by which of the following?

- A. An archipelago of 155 islands located northeast of Madagascar
- B. A peninsula on the west coast of Africa
- C. A single volcanic island in the Pacific Ocean
- D. A landlocked country within the Sahara Desert

13. Which of the following best describes 'Dark Patterns' in the context of e-commerce?

- A. High-contrast website themes designed for readability
- B. Standardized user authentication protocols for online security
- C. Unauthorized data mining techniques for user profiling
- D. Deceptive online design tactics that mislead users into unintended actions

14. Consider the following statements:

1. The Joint Crediting Mechanism (JCM) was initiated by Japan in 2013 to promote low-carbon technologies through bilateral partnerships.
2. The JCM focuses exclusively on renewable energy projects, excluding sectors such as green hydrogen and sustainable aviation fuel.
3. The JCM operates under the Paris Agreement Article 6 framework and currently has more than 30 partner countries.

Which of the following options is/are correct?

- A. III only
- B. I and III only
- C. I only
- D. II and III only

15. Consider the following statements:

1. Courts may exercise judicial review where the Governor or President acts with malafide intent in assenting to Bills, but review is limited to the process, not the merits.
2. The concept of 'deemed assent' is recognized by the Constitution for Bills pending beyond a reasonable period.
3. The Supreme Court has held that it cannot impose timelines for decisions of the President and the Governor on granting assent to Bills under Articles 200/201 of the Constitution.
4. Article 201 specifies a clear timeline within which the President must decide on reserved Bills.

Which of the following options is/are correct?

- A. III and IV only
- B. I and III only

- C. II and III only
- D. I only

16. Consider the following statements:

1. Pharmacogenomics is widely adopted in clinical practice due to uniform access and comprehensive population data.
2. The approach aims to guide the "right drug, right dose, right patient" strategy.
3. Pharmacogenomics combines pharmacology and genomics to study genetic influences on drug response.
4. Pharmacogenomics helps in predicting adverse drug reactions and supports precision medicine.

Which of the following options is/are correct?

- A. II, III and IV only
- B. II only
- C. I, II and III only
- D. I, III and IV only

17. Consider the following:

1. Global Mutirão presents climate action as a cooperative, society-wide effort aligned with the Paris 1.5°C target.
2. The Global Mutirão initiative at COP30 is inspired by Brazilian and Indigenous traditions of community labour for shared goals.
3. The initiative uses digital platforms like the Maloca digital hub to broaden participation.
4. It seeks to mobilize only national governments to accelerate climate action.

Which of the following options is/are correct?

- A. III only
- B. II and III only
- C. I, II and III only
- D. IV only

18. With reference to recent trends and initiatives in Indian agriculture, which of the following statements is/are correct?

1. India is the largest producer, consumer, and importer of pulses globally.
2. The National Mission on Sustainable Agriculture promotes the use of alternative and organic fertilizers to enhance productivity.
3. The Pradhan Mantri Krishi Sinchayee Yojana aims at improving irrigation development in the country.

- A. I and II only
- B. II only
- C. III only
- D. I, II and III

19. With reference to the Aravalli Hills and related conservation measures, which of the following statements is/are correct?

1. The Supreme Court accepted the definition of an 'Aravalli Hill' as any landform in designated districts with at least 100 metre elevation.
2. The highest peak in the Aravallis is Guru Shikhar, located on Mount Abu.
3. The Aravalli range acts as a watershed between the Ganga and Indus basins.

- A. I and III only
- B. I, II and III
- C. II only
- D. I only

20. Which of the following is a major human source of atmospheric methane emissions globally?

- A. Transportation
- B. Forest fires
- C. Agriculture
- D. Cement manufacturing

21. Which of the following best describes the Evershed Effect, discovered at the Kodaikanal Solar Observatory?

- A. Vertical jets of plasma in the Sun's corona
- B. Rapid cooling of solar flares on the Sun's surface
- C. Sudden increase in the Sun's ultraviolet emissions
- D. Horizontal outflow of material in the penumbrae of sunspots

22. The cryogenic engine, developed by ISRO, primarily uses which of the following as propellants?

- A. Liquid hydrogen and liquid oxygen
- B. Liquid kerosene and nitrogen tetroxide
- C. Solid ammonium perchlorate and aluminum powder
- D. Liquid methane and liquid oxygen

23. Consider the following statements about the Himalayan Black Bear:

1. It is also known as the Moon Bear due to a crescent-shaped white mark on its chest.
2. Its natural habitat includes the Himalayan region spanning Tibet, India, China, and Bhutan.
3. According to the IUCN, it is classified as "Endangered" and is listed in Schedule II of the Wildlife Protection Act, 1972.
4. The bear is primarily diurnal and lives in open grasslands.

Which one of the above statements is/are correct?

- A. I and II only
- B. III and IV only
- C. I and IV only
- D. I, II, III and IV

24. Consider the following aspects of the "Goldilocks Environment" in economics:

1. It refers to an ideal situation where there is steady growth.
2. It is characterized by rapid economic expansion accompanied by high inflation.
3. The scenario offers a good chance of stable policymaking and achieving price stability.
4. Economic growth is neither too high to trigger inflation nor too low to result in a slowdown.

Which of the above statements is/are correct?

- A. I, II and IV only
- B. I, III and IV only
- C. III only
- D. I and IV only

25. With reference to the constitutional provisions relating to tribunals, consider the following statements:

1. Article 323-A empowers the Parliament to establish administrative tribunals.
2. Part XIV-A of the Constitution was incorporated through the Forty-Second Amendment Act, 1976.
3. All tribunals in India are established exclusively under Article 323-A.

Which one of the above statements is/are correct?

- A. II and III only
- B. I and III only
- C. III only
- D. I and II only

26. Consider the following statements regarding CRISPR and its associated technologies:

1. CRISPR technology involves a single molecule that both finds and cuts DNA at target sites.
2. Cas9 protein serves as molecular scissors to cut DNA strands.
3. enFnCas9, developed by IGIB, is a high-fidelity CRISPR-Cas9 platform based on the Francisella novicida Cas9 protein.

Which one of the above statements is/are correct?

- A. II and III only
- B. III only
- C. I and II only
- D. II only

27. With reference to sickle-cell disease (SCD) and related research in India, which of the following statements is/are correct?

1. Sickle-cell disease is a genetic disorder that affects haemoglobin in red blood cells.
2. The prevalence of SCD is notably higher among India's tribal population.
3. BIRSA 101 is a gene therapy developed by CSIR-IGIB and dedicated to Bhagwan Birsa Munda.

Which one of the above statements is/are correct?

- A. I, II and III
- B. I only
- C. I and II only
- D. III only

28. Consider the following statements:

Assertion (A): Methane is a greenhouse gas that has an atmospheric lifetime of about 12 years.

Reason (R): Methane has a lower warming potential than carbon dioxide over a 20-year period.

Which one of the following is correct in respect of the above statements?

- A. Both Statement-I and Statement-II are correct and Statement-II explains Statement-I
- B. Both Statement-I and Statement-II are correct, but Statement-II does not explain Statement-I
- C. Statement-I is correct, but Statement-II is incorrect
- D. Statement-I is incorrect, but Statement-II is correct

29. Consider the following statements:

Assertion (A): Transposon-associated proteins (TnpB) are much smaller than Cas9 proteins.

Reason (R): TnpB proteins have been used for genome editing because they enable easier transfer via viral vectors into cells.

Which one of the following is correct in respect of the above statements?

- A. Both Statement-I and Statement-II are correct and Statement-II explains Statement-I
- B. Both Statement-I and Statement-II are correct, but Statement-II does not explain Statement-I
- C. Statement-I is correct, but Statement-II is incorrect
- D. Statement-I is incorrect, but Statement-II is correct

30. Consider the following statements:

Assertion (A): Antimicrobial Resistance (AMR) is a global health threat responsible for millions of deaths yearly.

Reason (R): AMR occurs because bacteria and viruses never evolve resistance to drugs.

Which one of the following is correct in respect of the above statements?

- A. Both Statement-I and Statement-II are correct and Statement-II explains Statement-I
 B. Both Statement-I and Statement-II are correct, but Statement-II does not explain Statement-I
 C. Statement-I is correct, but Statement-II is incorrect
 D. Statement-I is incorrect, but Statement-II is correct

31. The Codex Alimentarius Commission, to which India was recently re-elected as a member for the Asia region, was established with the primary objective of:

- A. Developing global pharmaceutical standards
 B. Regulating international fisheries and marine resources
 C. Promoting agricultural exports from developing countries
 D. Protecting consumer health and ensuring fair practices in the food trade

32. Which of the following best describes Antimicrobial Resistance (AMR)?

- A. A phenomenon where microorganisms evolve to survive drugs designed to eliminate them
 B. The process by which plants develop resistance to pesticides
 C. The resistance of human cells to genetic mutations caused by radiation
 D. A condition where food loses its nutritional value due to chemical contamination

33. Which organization publishes the Climate Change Performance Index (CCPI), which assesses countries based on climate mitigation performance?

- A. Germanwatch and partners
 B. Intergovernmental Panel on Climate Change (IPCC)
 C. United Nations Environment Programme (UNEP)
 D. International Energy Agency (IEA)

34. Consider the following features with reference to the recently approved Gaza Peace Plan:

1. The plan was brokered exclusively by Egypt.
2. It includes a mutual release of hostages and detainees.

Which of the above statements is/are correct?

- A. I only
 B. II only
 C. Both I and II
 D. None

35. Consider the following statements:

1. The CCPI is published by Germanwatch, NewClimate Institute, and Climate Action Network.
2. None of the countries are ranked in the top 3 positions in the latest Climate Change Performance Index.

Which of the above statements is/are correct?

- A. I only
 B. II only
 C. Both I and II
 D. None

36. Consider the following statements regarding the base effect:

1. The base effect can distort trends if the reference period had unusually high or low values.
2. The base effect is used in calculating inflation and GDP growth rates.
3. The base effect describes the impact of the base period on the calculation of ratio-based indicators.

4. The base effect is relevant only to the computation of agricultural output.

Which of the above statements is/are correct?

- A. II and IV only
 B. I, III and IV only
 C. III and IV only
 D. I, II and III only

37. With reference to the Trade Intelligence and Analytics Portal, which of the following statements is/are correct?

1. It aims to provide transparent and accessible trade intelligence to support evidence-based policymaking.
2. The portal replaces all previous digital platforms related to customs clearance procedures.
3. The portal is designed to unify fragmented trade-related data systems and empower small businesses.

- A. I and III only
 B. I and II only
 C. I only
 D. III only

38. With reference to Guru Tegh Bahadur, consider the following statements:

1. He is known for advocating universal brotherhood and religious freedom.
2. He established the town of Chak Nanki, which is now known as Shri Anandpur Sahib.
3. He was the eldest son of Guru Hargobind Ji and the seventh Sikh Guru.

Which of the above statements is/are correct?

- A. I, II and III
 B. I only
 C. I and II only
 D. II and III only

39. With reference to the comprehensive risk coverage under PMFBY, which of the following statements is/are correct?

1. The scheme excludes all risks arising from war, nuclear events, and malicious damage.
2. Premiums for commercial and horticultural crops are higher than for Kharif or Rabi crops.
3. The scheme provides coverage for prevented sowing due to deficit rainfall.

- A. III only
 B. I only
 C. I, II and III
 D. I and II only

40. The 16th Finance Commission is constituted under which Article of the Indian Constitution?

- A. Article 282
 B. Article 275
 C. Article 270
 D. Article 280

41. Precision biotherapeutics refers to:

- A. Mass vaccination strategies for communicable diseases
 B. Application of traditional medicines in community health
 C. Targeted use of biological agents based on individual genetic profiles
 D. Use of herbal remedies for personalized treatment

42. Consider the following statements:

1. The African Continental Free Trade Area (AfCFTA) creates a single market in Africa, presenting expanded opportunities for Indian investors.
2. India is Africa's third-largest trading partner, with trade surpassing \$100 billion.
3. India's engagement with Africa has been primarily limited to trade and does not extend to technological cooperation or human resource development.

Which of the above statements is/are correct?

- A. I and II only
- B. I only
- C. III only
- D. II and III only

43. Consider the following statements:

1. The Digital Twin model is used for real-time river management and monitoring riverbed changes.
2. Only central government authorities are recognized as stakeholders in river basin management processes in India.
3. River Basin Management involves coordination among governance bodies, development of geospatial databases, and implementation of basin-wide policies.

Which of the above statements is/are correct?

- A. II and III only
- B. I and III only
- C. I and II only
- D. II only

44. Consider the following statements:

1. Mahatma Gandhi regarded India's ancient education system as a beautiful tree that was uprooted and destroyed by the promotion of the British education system.
2. Macaulay's Minute on Education in 1835 promoted Oriental languages such as Sanskrit and Arabic over English in India's education system.

Which of the above statements is/are correct?

- A. I only
- B. II only
- C. Both I and II
- D. Neither I nor II

45. Consider the following statements:

Assertion (A): Spacecraft launched into Lagrange point orbits can reduce fuel consumption.

Reason (R): At Lagrange points, the gravitational pull of two large

masses equals the centripetal force required for a small object to move with them.

Which one of the following is correct in respect of the above statements?

- A. Both Statement-I and Statement-II are correct and Statement-II explains Statement-I
- B. Both Statement-I and Statement-II are correct, but Statement-II does not explain Statement-I
- C. Statement-I is correct, but Statement-II is incorrect
- D. Statement-I is incorrect, but Statement-II is correct

46. What is the primary feature of Ambaji Marble that contributed to its recognition with a GI Tag?

- A. Presence of rare gemstones within the marble
- B. Milky white colour, natural beauty and durability
- C. Unique reddish hue and magnetic properties
- D. High resistance to chemical erosion

47. The Anegada Passage, recently in the news, is a:

- A. A strait between the Gulf of Mexico and the Pacific Ocean
- B. A channel in the West Indies connecting the Atlantic Ocean with the Caribbean Sea
- C. An inland waterway linking the Amazon and Orinoco rivers
- D. A mountain range separating Central America from the Caribbean

48. Which of the following countries is NOT a member of the Eurasian Economic Union (EAEU)?

- A. Belarus
- B. Uzbekistan
- C. Armenia
- D. Kyrgyzstan

49. The Raulane Festival, observed in Himachal Pradesh, is most closely associated with:

- A. Honouring mystical celestial fairies known as Saunis through ritual and dance
- B. Worship of local river deities through fire offerings
- C. Celebration of the apple harvest in Kinnaur
- D. The commemoration of ancient Himalayan trade routes

50. The ESCAPADE mission, launched by NASA, is intended to study:

- A. The possibility of life on Europa
- B. The interaction between the solar wind and Mars' magnetic environment
- C. The asteroid belt between Mars and Jupiter
- D. The atmospheric composition of Venus