

# WEEKLY QUIZ

**DATE : (15<sup>th</sup> Dec- 21<sup>st</sup> Dec)**

**1) What are nitrofurans, recently in the news in the context of food safety in India?**

- (a) A group of broad-spectrum antibiotics banned for use in food-producing animals
- (b) A set of chemical preservatives allowed in processed foods
- (c) A class of plant growth regulators permitted for use in organic farming
- (d) A type of veterinary vaccine authorized for poultry and livestock

**2) Which of the following best describes “Ekam AI” recently demonstrated by the Indian Army?**

- (a) A satellite-based navigation application for armoured vehicles
- (b) A secure artificial intelligence platform for decision support without external cloud reliance
- (c) An automated ammunition management system for field artillery units
- (d) An indigenously developed battlefield drone for surveillance

**3) DHRUV64, recently launched by India, is:**

- (a) The first 1.0 GHz, 64-bit dual-core fully indigenous microprocessor
- (b) The country's first quantum cryptography communication satellite
- (c) An advanced radar system for civilian aviation safety
- (d) The first indigenous operating system for government computing

**4) The United Nations Alliance of Civilizations, aimed at improving cross-cultural relations, was initiated by:**

- (a) France and the United Kingdom
- (b) India and Germany
- (c) Republic of Türkiye and Spain
- (d) United States and Canada

**5) Exercise Ekatha, recently in the news, is an annual bilateral maritime exercise between India and which of the following countries?**

- (a) Oman
- (b) Indonesia
- (c) Maldives
- (d) Sri Lanka

**6) The Cho La Pass, recently opened for battlefield tourism, is located in which of the following regions?**

- (a) Ladakh, on the western edge of the Karakoram range
- (b) Uttarakhand, near the India–Nepal border
- (c) Arunachal Pradesh, near the India–China border
- (d) Chola range of the Eastern Himalayas, connecting Sikkim and the Chumbi Valley

**7) Consider the following statements:**

- 1. The State Energy Efficiency Index (SEEI) is developed solely by the Ministry of Power.
- 2. The State Energy Efficiency Index (SEEI) is used to confer the National Energy Conservation Award.

- 3. SEEI evaluates the energy efficiency of States and Union Territories across buildings, industry, transport, and municipal sectors.
- 4. The National Energy Conservation Award is conferred by the Central Electricity Authority.

Which of the statements given above is/are correct?

- (a) IV only
- (b) II and IV only
- (c) II and III only
- (d) I, II, III and IV

**8) Consider the following statements regarding legal and policy measures to address the dowry problem in India:**

- 1. Section 304-B of the Indian Penal Code, or Section 80 of the Bharatiya Nyaya Samhita (BNS), covers cases of cruelty but not dowry death.
- 2. The National Commission for Women (NCW) is responsible for investigating complaints of dowry harassment and regularly reviews laws to strengthen them.
- 3. The Dowry Prohibition Act, 1961 prescribes a minimum punishment of three years' imprisonment for giving or taking dowry.

Which of the statements given above is/are correct?

- (a) III only
- (b) II and III only
- (c) I and II only
- (d) II only

**9) With reference to the new regulatory framework for higher education in India, which of the following statements is/are correct?**

- 1. The President of India will appoint the President and all Members of the Viksit Bharat Shiksha Adhishthan (VBSA), except ex officio Members and the Member Secretary.
- 2. The proposed Bill seeks to repeal the University Grants Commission Act, 1956, the All India Council for Technical Education Act, 1987, and the National Council for Teacher Education Act, 1993.
- 3. The funding of centrally funded higher educational institutions will be under the direct purview of the Viksit Bharat Shiksha Adhishthan.

Select the correct answer using the code given below.

- (a) I and II only
- (b) I, II and III
- (c) I and III only
- (d) II only

**10) Consider the following statements:**

**Assertion (A):** India is a signatory to the Biological Weapons Convention (BWC).

**Reason (R):** The BWC is a legally binding international treaty banning biological weapons.

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

**11) Alzheimer's Disease, as described in recent research, is primarily caused by:**

- A. Deficiency of dopamine in the central nervous system
- B. Autoimmune attack on myelin sheaths
- C. Viral infection of neural tissue
- D. Abnormal build-up of proteins such as amyloid and tau in the brain

**12) Which ministry is responsible for implementing the ASPIRE scheme to promote innovation and entrepreneurship?**

- A. Ministry of Agriculture and Farmers Welfare
- B. Ministry of Skill Development and Entrepreneurship
- C. Ministry of Micro, Small and Medium Enterprises
- D. Ministry of Labour and Employment

**13) Consider the following statements:**

- 1. The Committee suggested integration of updated datasets, such as those from post-GST and PLFS, to better capture structural shifts and informal sector contributions.
- 2. The Golder Committee recommended revising the base year for national accounts from 2011-12 to 2022-23.

Which of the statements given above is/are correct?

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

**14) Consider the following Indian polar research stations:**

- I. Bharati
- II. Dakshin Gangotri
- III. Himadri
- IV. Maitri

Which of the statements given above is/are correct?

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

**15) Consider the following statements regarding the challenges faced by the World Trade Organization (WTO):**

- 1. The WTO's Appellate Body remains fully functional, enabling effective dispute resolution among member countries.
- 2. The WTO has developed comprehensive rules to address digital trade governance and supply chain resilience.
- 3. The requirement of consensus among all member states has led to prolonged deadlock in the Doha Development Round.

Which of the statements given above is/are correct?

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

**16) Consider the following statements:**

**Assertion (A):** The recent Insurance Amendment Bill seeks to increase the FDI cap in Indian insurance companies up to 100% of paid-up equity capital.

**Reason (R):** The Bill also reduces the net owned funds requirement for foreign re-insurers to encourage greater participation in the Indian insurance market.

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

**17) Consider the following statements:**

**Assertion (A):** The SHANTI Bill retains the operator's right of recourse for defective equipment or deliberate acts causing nuclear damage.

**Reason (R):** The SHANTI Bill introduces a tiered liability structure for nuclear damage based on reactor capacity.

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

**18) Consider the following statements:**

**Assertion (A):** Jumping genes or transposons make up a significant portion of the human genome.

**Reason (R):** Transposons alter gene expression depending on their insertion site within the genome.

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

**19) Consider the following statements:**

**Assertion (A):** The Viksit Bharat – Guarantee for Rozgar and Aajeevika Mission (Gramin) Bill proposes that all States will receive 100% central funding for rural employment schemes.

**Reason (R):** Under the proposed Bill, North Eastern and Himalayan States as well as Jammu and Kashmir will have a 90:10 funding ratio between the Centre and the State.

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

**20) Consider the following statements:**

**Assertion (A):** The first-ever political declaration at the 80th UNGA session sets global targets for reducing the number of tobacco users and increasing access to mental health care by 2030.

**Reason (R):** The declaration covers new determinants, including air pollution and hazardous chemicals, for non-communicable diseases, but excludes digital health risks such as social media harm and misinformation.

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

**21) Which of the following is a sub-scheme under the National Bioenergy Programme (NBP) in India?**

- A. Wind Energy Development Scheme
- B. Green Hydrogen Mission
- C. Waste to Energy Programme
- D. Solar Rooftop Programme

**22) The Great Nicobar Holistic Development Project includes which of the following components?**

- A. Solar energy park, desalination plant, textile cluster, and logistics hub
- B. Special Economic Zone, steel manufacturing unit, defence training base, and seaport
- C. Space launch facility, medical research centre, oil refinery, and railway corridor
- D. International Container Transshipment Terminal, international airport, power plant, and township

**23) The MH-60R Seahawk, recently inducted by the Indian Navy, was developed by:**

- A. Lockheed Martin
- B. Sikorsky Aircraft Corporation
- C. Airbus Helicopters
- D. Boeing

**24) Annatto, studied by CSIR-CFTRI, is primarily used as:**

- A. A natural carotenoid pigment for food colouring
- B. A synthetic preservative for packaged foods
- C. A flavour enhancer in confectionery
- D. An artificial sweetener in beverages

**25) Kessler Syndrome, sometimes mentioned in the context of space debris, refers to:**

- A. A chain reaction of collisions in Earth's orbit leading to space debris proliferation
- B. The collapse of a satellite due to internal technical failure
- C. The sudden loss of communication with ground stations
- D. The depletion of orbital slots for new satellites

**26) Consider the following pairs:**

1. Country: Somalia — Shares border with Ethiopia: Yes
2. Country: South Sudan — Shares border with Ethiopia: Yes
3. Country: Uganda — Shares border with Ethiopia: Yes
4. Country: Djibouti — Shares border with Ethiopia: Yes

How many of the pairs given above are correctly matched?

- A. Only one
- B. Only two
- C. Only three
- D. All four

**27) Consider the following statements:**

1. The National Anti-Doping Act, 2022 in India provides a statutory framework for the National Anti-Doping Agency (NADA).
2. The World Anti-Doping Agency (WADA) was established in 1999 with its headquarters in Montreal, Canada.

Which of the statements given above is/are correct?

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

**28) Consider the following statements:**

1. The IBC (Amendment) Bill, 2025 introduces a Creditor Initiated Insolvency Resolution Process (CIIRP) featuring an out-of-court initiation mechanism.
2. The Bill restricts the applicability of cross-border insolvency provisions only to companies incorporated in India and excludes foreign companies with assets or operations in India.

Which of the statements given above is/are correct?

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

**29) Consider the following statements:**

1. The Pradhan Mantri Shram Yogi Maandhan (PM-SYM) Scheme has seen consistently high enrolment of women workers in all Union Territories.
2. The Palna Scheme under Mission Shakti has utilized more than 80% of its allocated funds as of June 2025.
3. The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 mandates the establishment of Local Committees for redressal at the district level.

Which of the statements given above is/are correct?

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

**30) Consider the following statements:**

**Assertion (A):** Weakly Interacting Massive Particles (WIMPs) are considered leading candidates for dark matter.

**Reason (R):** WIMPs interact predominantly through gravity and possibly the weak nuclear force.

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) Consider the following statements:**

**Assertion (A):** The courts in India have presumed marriage if a couple lives together for a significant period as husband and wife.

**Reason (R):** This presumption is based on statutory provisions to protect the rights of women and children born out of such relationships.



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

**32) Consider the following statements:**

**Assertion (A):** Small Modular Reactors (SMRs) are considered beneficial for increasing India's nuclear power capacity.

**Reason (R):** The modular design of SMRs allows for factory assembly and easy transportation.

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

**33) Consider the following statements:**

**Assertion (A):** Freshwater sponges can accumulate high levels of heavy metals such as arsenic, lead, and cadmium.

**Reason (R):** Sponges are complex vertebrates that filter water through their porous bodies.

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

**34) Consider the following statements:**

1. The Competition Commission of India is a statutory body established under the Competition Act, 2002, and its composition includes a Chairperson and not less than two and not more than six Members.
2. The Competition Commission of India functions under the Ministry of Commerce and Industry and is empowered to regulate combinations that may adversely affect competition in India.

Which of the statements given above is/are correct?

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

**35) Consider the following statements:**

1. The Coal Controller's Organisation is responsible for the regulation of oil exploration and grants approval for petroleum refinery projects in India.
2. The Coal Controller's Organisation is a subordinate office under the Ministry of Coal and is mandated to regulate coal quality, grading, and sampling under the Colliery Control Rules.

Which of the statements given above is/are correct?

- A. I only
- B. II only

- C. Both I and II
- D. Neither I nor II

**36) Consider the following statements regarding Small Modular Reactors (SMRs):**

1. The per kilowatt-hour cost of electricity from SMRs is lower than that of conventional reactors.
2. SMRs have a power output of up to 300 MW(e) per unit, which is about one-third of traditional nuclear power reactors.
3. All SMR components must be assembled on-site and cannot be transported as a unit.
4. The modular design of SMRs allows for both portability and scalability.

Which of the statements given above are correct?

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

**37) Consider the following pairs:**

Category — Description

1. Non-Resident Indian (NRI) — Indian citizen living abroad
2. Overseas Citizen of India (OCI) — Foreign national with lifelong visa to India
3. Person of Indian Origin (PIO) — Foreign citizen with Indian ancestry

How many of the above pairs are correctly matched?

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

**38) Yoshinori Ohsumi, who was awarded the Nobel Prize in 2016, is associated with discoveries in which of the following biological processes?**

- A. DNA replication
- B. Protein synthesis
- C. Photosynthesis
- D. Cellular autophagy

**39) Which of the following rivers empties into the North Sea from the Netherlands?**

- A. Oder
- B. Rhine
- C. Thames
- D. Seine

**40) Anti-dumping duty, as imposed by India on certain steel imports from China, is permitted under which of the following frameworks?**

- A. International Labour Organization conventions
- B. World Trade Organization agreements
- C. International Monetary Fund policies
- D. United Nations Security Council

**41) Consider the following statements:**

**Assertion (A):** The Securities Markets Code proposes to combine the SEBI Act, Depositories Act, and Securities Contracts (Regulation) Act into a single code.

**Reason (R):** The Bill also increases the number of SEBI Board members from 9 to 15.

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

**42) Consider the following statements:**

1. Minor inconsistencies in a trafficked child's testimony must not be considered sufficient to discredit her evidence.
2. A trafficked child is to be treated as an injured witness, not as an accomplice, during judicial proceedings.

Which of the statements given above is/are correct?

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

**43) Consider the following statements:**

1. IN-SPACE acts as an interface between ISRO and Non-Governmental Entities (NGEs) and is responsible for authorizing and supervising space activities of governmental agencies only.
2. IN-SPACE was established in 2020 as an autonomous agency under the Department of Space to promote the participation of private players in the space sector.

Which of the statements given above is/are correct?

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

**44) Consider the following statements:**

1. Under the Support to Poor Prisoners' Scheme, the Jail Superintendent must inform the District Legal Services Authority within one week if a prisoner's release is stalled due to non-payment of fine.
2. Only a state-level committee is involved in assessing eligibility and recommending financial assistance to prisoners under the scheme.
3. The scheme excludes offences under the Prevention of Corruption Act, PMLA, NDPS Act, UAPA, as well as heinous crimes like terrorism, dowry death, rape, human trafficking, and offences under the POCSO Act.

Which of the statements given above is/are correct?

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

**45) Consider the following statements:**

1. The flora of the tundra biome includes mosses, lichens, and dwarf shrubs, while the fauna includes caribou and polar bears.
2. All tundra regions receive more than 100 centimeters of precipitation annually.
3. The tundra biome is found on high mountain tops above the tree line, as well as in the Arctic and Antarctic regions.

Which of the statements given above is/are correct?

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

**46) Consider the following initiatives related to traditional medicine in India:**

1. National AYUSH Mission (NAM), 2014
2. AOGUSY (AYUSH Oushadhi Gunvatta evum Uttapadan Samvardhan Yojana)
3. Ayush Mark
4. Ayurgyan

Which of the statements given above is/are correct?

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

**47) Consider the following aspects related to the working of Doppler Weather Radars (DWRs):**

1. The radar emits radio waves from an antenna.
2. Time taken for signal return helps determine the distance and intensity of precipitation.
3. Larger atmospheric particles reflect less energy than smaller particles.
4. DWRs are incapable of detecting thunderstorms.

Which of the statements given above is/are correct?

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

**48) Consider the following pairs:**

1. Provision/Concept: Section 135, Companies Act, 2013 — Description: Mandates environmental education in schools
2. Provision/Concept: Polluter Pays Principle — Description: Companies bear cost of species conservation when their activities threaten endangered species
3. Provision/Concept: Article 51A(g) of the Constitution — Description: Mandates CSR obligations for eligible companies

How many of the above pairs are correctly matched?

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

**49) Consider the following pairs:**

1. Institution/Entity: Maximum deposit insurance coverage — Description: ₹5 lakh
2. Institution/Entity: Deposit Insurance and Credit Guarantee Corporation (DICGC) — Description: Department of Financial Services
3. Institution/Entity: Deposit insurance premium payer — Description: Depositors

How many of the pairs given above are correctly matched?

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

50) Consider the following pairs:

1. Provision of Securities Markets Code: SEBI Board expansion — Description: Board strength increased from 9 to 15
2. Provision of Securities Markets Code: Expanded definition of securities — Description: Explicit inclusion of hybrid instruments, electronic gold receipts, and onshore rupee bonds
3. Provision of Securities Markets Code: Decriminalization of minor defaults — Description: Minor/procedural defaults punishable by monetary penalty

How many of the above pairs are correctly matched?

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

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