

VAJIRAM & RAVI

PowerUp All India Prelims Mock Test – 01 (19-01-2025) TEST BOOKLET

Time Allowed: Two Hour

Maximum Marks: 200

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES **NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. Please note that it is the candidate's responsibility to encode and fill in the Roll Number carefully and without any omission or discrepancy at the appropriate places in the OMR Answer Sheet. Any omission/discrepancy will render the Answer Sheet liable for rejection.
3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside.
DO NOT write *anything else* on the Test Booklet.
4. This Test Booklet contains **100** items (questions). Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each item.
5. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. See directions in the Answer Sheet.
6. **All** items carry equal marks.
7. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet.
8. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator **only the Answer Sheet**. You are permitted to take this Test Booklet with you.
9. **Penalty for wrong answers:**
THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN ALL THE QUESTIONS.
 - i. There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, one-third of the marks assigned to that question will be deducted as penalty.
 - ii. If a candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above to that question.
 - iii. If a question is left blank, i.e., no answer is given by the candidate, there will be **no penalty** for that question.

1. The promissory clause printed on the Indian banknotes i.e., “I promise to pay the bearer the sum of Rupees” denotes:
 - (a) assurance given by the scheduled banks to exchange banknotes for gold on demand
 - (b) guarantee given by the government to honor the currency value in case of a financial crisis
 - (c) promise by all banks in India to exchange soiled currencies from customers
 - (d) obligation on part of the Reserve Bank of India to honor the value mentioned as legal tender

2. Consider the following methods of payment:
 1. Cash payments
 2. Bank transfers
 3. Cheques
 4. Card payments
 5. Direct debits

How many of the above are examples of push payments?

 - (a) Only two
 - (b) Only three
 - (c) Only four
 - (d) All five

3. The Reserve Bank of India has recently introduced the ‘Secured Overnight Rupee Rate (SORR)’ as an instrument of:
 - (a) Commodity market
 - (b) Bond market
 - (c) Money market
 - (d) Forex market

4. Consider the following statements:

Statement-I:
Revenue-based financing is increasingly becoming a preferred mode of raising capital for start-ups.

Statement-II:
In revenue-based financing, only a fixed percentage of gross revenue of the start-ups is paid to the investors.

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

5. With reference to the capital markets, the term “Wash Trading” means:
 - (a) a practice of buying and selling the same security to create misleading market information
 - (b) a strategy where trading occurs at mutually agreed predetermined prices
 - (c) a practice of trading of stock by a broker who has insider knowledge of future transactions
 - (d) a strategy aimed at placing fake stock orders at multiple price levels

6. Consider the following:
 1. Countering inflation
 2. Balancing foreign exchange reserves
 3. Hedging against fiat currencies
 4. Preventing fluctuations in stock market prices

The Reserve Bank of India maintains gold reserves for how many of the above reasons?

 - (a) Only one
 - (b) Only two
 - (c) Only three
 - (d) All four

7. What does 'fiscal glide path' mean in the context of India's public finance?
- A strategy to increase government spending gradually
 - A strategy to increase tax revenues
 - A strategy to gradually reduce the fiscal deficit over time
 - A strategy to reduce inflation by controlling money supply
8. Which of the following fertilisers are covered under the "reasonable pricing" control regime in India?
- Di-Ammonium Phosphate
 - Muriate of Potash
 - Neem-coated Urea
 - Ammonium Sulphate
- Select the correct answer using the code given below:
- 1 and 2 only
 - 3 and 4 only
 - 1, 2 and 4 only
 - 1, 2, 3 and 4
9. Liberal Constitutionalism means:
- a State mandated to promote progressive societal change
 - a State limited to interfere in the sphere of individual freedom
 - a State with absolute authority to ensure uniform societal progress
 - a State focussed on the promotion of collective rights over individual freedoms
10. Consider the following:
- Part IV-A
 - Part IX-A
 - Part IX-B
 - Part XIV-A
- How many of the above were added by the 42nd Constitutional Amendment Act, 1976?
- Only one
 - Only two
 - Only three
 - All four
11. In India, which one of the following best reflects the 'Principles of Natural Justice'?
- Supremacy of Constitution
 - Integrated judiciary
 - Due Process of Law under Article 21 of the Constitution of India
 - Procedure Established by Law
12. Consider the following rights:
- Right to be Silent
 - Flying the National Flag
 - Right of Livelihood
 - Right to Information
- How many of the above are derived from Article 19 of the Constitution of India?
- Only one
 - Only two
 - Only three
 - All four
13. What does "Naming a Member" mean in the context of parliamentary proceedings in India?
- Passing a motion against the member who has conducted a breach of Parliamentary etiquette
 - Announcing members' name based on the order to be followed for participation in a House debate
 - Nominating a member to a parliamentary committee by the Presiding Officer of the House
 - Drawing attention of the House by the Speaker for pointing out a certain member for disregarding the authority of chair
14. With reference to chargesheet, consider the following statements:
- It is the final report filed by the police after the completion of the investigation.
 - It is accessible to the public.
 - Once it is filed, the accused cannot apply for a statutory bail.
- Which of the statements given above is/are correct?
- 1 only
 - 1 and 3 only
 - 2 and 3 only
 - 1, 2 and 3

- 15.** The Drafting Committee for the Constitution of India was appointed by:
- (a) an executive order by the Governor General of India
 - (b) a cabinet resolution of the interim government
 - (c) a resolution passed by the Constituent Assembly
 - (d) the recommendation of the Cabinet Mission
- 16.** Consider the following cases:
1. A. K. Gopalan vs State of Madras
 2. Menaka Gandhi vs Union of India
 3. Aruna Shanbaug vs Union of India
 4. Justice K.S. Puttaswamy vs Union of India
- How many of the above cases deal with the provisions of Article 21 of the Constitution of India?
- (a) Only one
 - (b) Only two
 - (c) Only three
 - (d) All four
- 17.** Consider the following statements:
In the case of contempt of Court, the Supreme Court can take action:
1. Suo motu
 2. On a petition made by Solicitor General
 3. On a petition made by any person
- Which of the statements given above are correct?
- (a) 1 and 2 only
 - (b) 2 and 3 only
 - (c) 1 and 3 only
 - (d) 1, 2 and 3
- 18.** Which of the following statements are correct regarding the Chairperson of the Rajya Sabha?
1. S/he cannot vote when the resolution for her/his removal is under consideration.
 2. S/he cannot preside over a joint sitting of the Parliament.
 3. S/he cannot cast a vote in the case of a deadlock in the House.
- Select the correct answer using the code given below:
- (a) 1 and 2 only
 - (b) 2 and 3 only
 - (c) 1 and 3 only
 - (d) 1, 2 and 3
- 19.** Which one of the following examines that money granted by Parliament has been spent by the executive “within the scope of the demand”?
- (a) Committee on Public Undertaking
 - (b) Estimates Committee
 - (c) Ethics Committee
 - (d) Public Account Committee
- 20.** In which of the following situations the Council of Ministers have to resign?
1. Failure of the passing of the Motion of Thanks
 2. Passing of the Privilege Motion
 3. Passing of the Censure Motion
 4. Passing of the Cut Motion
- Select the correct answer using the code given below:
- (a) 1 and 4 only
 - (b) 2 and 3 only
 - (c) 1, 3 and 4 only
 - (d) 1, 2, 3 and 4
- 21.** Which one of the following statements best describes the term “Greenhushing”?
- (a) Manipulating environmental data of a project in Environmental Impact Assessment (EIA)
 - (b) Conveying a false impression that a company’s products are eco-friendly
 - (c) Withholding information about negative implications of a industry’s production processes
 - (d) Strategically underreporting about the environmental goals and achievements by a firm

22. Consider the following statements:

Once an area is notified as a 'Biosphere Reserve' in India, then:

1. Other protected areas, like Wildlife Sanctuaries, falling within such areas are denotified.
2. The Government of India provides financial assistance for its management.
3. A focus is made on improving the quality of life of indigenous communities living in such areas.

How many of the statements given above are correct?

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

23. Consider the following:

1. Switchgrass
2. Sugarcane
3. Jatropha
4. Corn

How many of the above are considered as energy crops?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All four

24. Consider the following statements:

Statement-I:

Atmospheric water vapour reached a record high in 2024.

Statement-II:

Global warming exceeded 1.5°C above pre-industrial levels for the first time in 2024.

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

25. Consider the following:

1. Red sanders
2. *Myristica magnifica*
3. *Dicliptera polymorpha*
4. Red Vanda

How many of the above species are endemic to Western Ghats?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All four

26. The "Fukuoka Technique" is well known for:

- (a) planting trees and shrubs close to one another to accelerate their growth
- (b) cultivation that requires no chemicals and minimal human interventions
- (c) development of dense gardens using genetically modified flora
- (d) growing plants using a water-based nutrient solution rather than soil

27. Consider the following:

1. Cockroach
2. Sea Urchin
3. Goblin Shark
4. Owl

Which of the above species are considered as 'living fossils'?

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

28. For which one of the following purposes diamond dust is injected into the Earth's upper atmosphere?

- (a) To create artificial rains
- (b) To prevent solar flares from reaching Earth
- (c) To reduce ultraviolet radiation exposure on Earth
- (d) To reduce the temperature of Earth

29. Consider the following pairs:

	Pipeline	Country/Region
1.	Druzhba	Russia-Belarus
2.	TurkStream	Kazakhstan-Turkey
3.	Yamal-Europe	Russia-West Europe
4.	West-East	United States-Canada

How many of the pairs given above are correctly matched?

- (a) Only one pair
 - (b) Only two pairs
 - (c) Only three pairs
 - (d) All four pairs
30. Which one of the following best describes the 'irrigation intensity'?
- (a) The total quantity of water needed by a crop for optimal growth
 - (b) The amount of agricultural output produced per unit of water used for irrigation
 - (c) The proportion of agricultural land under rainfed conditions versus irrigated conditions
 - (d) The percentage of net irrigated area compared to the net sown area used for farming
31. Which of the following is the correct sequence of the regions in West Asia based on their location from North to South?
- (a) Gaza Strip - West Bank - Golan Heights - Aleppo
 - (b) West Bank - Aleppo - Golan Heights - Gaza Strip
 - (c) Golan Heights - Aleppo - West Bank - Gaza Strip
 - (d) Aleppo - Golan Heights - West Bank - Gaza Strip

32. Consider the following:

Statement-I:

The arctic soils have high levels of organic matter.

Statement-II:

The rate of decomposition reduces with the decrease of temperature.

Statement-III:

There is less vegetation in the arctic region due to the shorter growing season.

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

- (a) Both Statement-II and Statement-III are correct and both of them explain Statement-I
 - (b) Both Statement-II and Statement-III are correct, but only one of them explains Statement-I
 - (c) Only one of the Statements-II and III is correct and that explains Statement-I
 - (d) Neither Statement-II nor Statement-III is correct
33. In which of the following ways, temperate cyclones is/are different from tropical cyclones?
1. Unlike tropical cyclones, there is no requirement of minimum Sea Surface Temperature for temperate cyclones.
 2. The movement of tropical cyclones is driven by prevailing winds whereas temperate cyclones move under the influence of local circulations.
 3. Unlike tropical cyclones, temperate cyclones do not cause convectional rainfall.
- Select the correct answer using the code given below:
- (a) 1 and 2 only
 - (b) 3 only
 - (c) 1 and 3 only
 - (d) 1, 2 and 3

34. The Circum-equatorial Corridor, one of the most important sea routes in the world, passes through which of the following?

1. Bosphorus Strait
2. Strait of Malacca
3. Suez Canal
4. Panama Canal

Select the correct answer using the code given below:

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

35. Which one of the following is an odd one out?

- (a) Paracetamol
- (b) Valium
- (c) Serotonin
- (d) Barbituric acid

36. Which of the following animals naturally possess the ability to produce ultrasound?

1. Dolphins
2. Bats
3. Porpoises
4. Toothed Whales
5. Elephant

Select the correct answer using the code given below:

- (a) 1, 2 and 3 only
- (b) 3 and 4 only
- (c) 2, 4 and 5 only
- (d) 1, 2, 3 and 4 only

37. Consider the following statements:

Statement-I:

Analyzing X-ray polarization helps in examining geometry of celestial sources.

Statement-II:

Each celestial process manifests its distinct polarization signature in appropriate energy bands.

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

38. Which one of the following technologies is used in 3D glasses to create the illusion of depth during a movie experience?

- (a) Parallax
- (b) Stereoscopy
- (c) Interferometry
- (d) Triangulation

39. Consider the following statements:

Statement-I:

A geostationary orbit is ideal for satellites designed for high-resolution earth observation.

Statement-II:

Satellites in geostationary orbit fly with a speed exactly matching earth's rotation.

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

40. All matter has both wave-like and particle-like properties. When a particle encounters a potential energy barrier, it can behave like a wave and spread out over the barrier. If the wave function of the particle extends beyond the barrier, there is a probability that the particle will be found on the other side of the barrier, even if its energy is lower than the barrier's height. This is the most likely description of:

- (a) Quantum superposition
- (b) Quantum interference
- (c) Quantum entanglement
- (d) Quantum tunneling

41. Consider the following pairs:

	Element used in Biotechnology	Application
1.	Bacillus thuringiensis	Insecticide
2.	Agrobacterium	Gene transfer
3.	β -carotene	Food fortification

How many of the pairs given above are correctly matched?

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

42. In the context of the vedic period, the terms 'Priyangu' and 'Shyamaka' refer to:

- (a) Metal Tools
- (b) Millets
- (c) Glazed Black Pottery
- (d) Jewellery

43. Consider the following pairs:

	Buddha Mudra	Associated Dhyani-Buddha
1.	Abhaya Mudra	Amoghasiddhi
2.	Dharmachakra Mudra	Vairochana
3.	Bhumisparsa Mudra	Akshobhya
4.	Dhyana Mudra	Amitabha

How many of the pairs given above are correctly matched?

- (a) Only one pair
- (b) Only two pairs
- (c) Only three pairs
- (d) All four pairs

44. The administrative post of 'Vedor da Fazenda' was associated with which one of the following colonial powers in India?

- (a) Spain
- (b) Portugal
- (c) France
- (d) Denmark

45. Consider the following rulers:

1. Chandragupta
2. Ashoka
3. Skandagupta
4. Firuz Shah Tughlaq
5. Jahangir

How many of the above have their inscriptions on the Allahabad-Kosam pillar at Prayagraj?

- (a) Only two
- (b) Only three
- (c) Only four
- (d) All five

46. Consider the following statements with reference to the Ajivika sect:

1. They believed in absolute determinism, rejecting the concept of free will.
2. Emperor Ashoka granted caves in Barabar Hills to the Ajivikas.
3. They promoted karma theory as central to their philosophy.

How many of the statements given above are correct?

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

47. In context to India's architecture, the term 'Yasti' is related to:

- (a) rock-cut caves
- (b) stupas
- (c) vaishnavite temples
- (d) royal tombs

48. Consider the following legislations of colonial India:

1. Act XV of 1856
2. Anand Marriage Act, 1909
3. Brahma Marriage Act, 1872
4. Indian Christian Marriage Act, 1872

How many of the above facilitated widow remarriage in India?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All four

49. Who among the following founded the group 'Goodwill Fraternity'?

- (a) Ananda Mohan Bose
- (b) Dwijendranath Tagore
- (c) Womesh Chunder Bonnerjee
- (d) Keshab Chandra Sen

50. Consider the following pairs:

	Literature	Author
1.	The Indian Struggle	Subash Chandra Bose
2.	Vishwa Prem	Chandra Shekhar Azad
3.	Sandhya Patrika	Brahma Bandhab Upadhyay

How many of the pairs given above are correctly matched?

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

51. If a country is placed under the 'regular follow-up' category of the Financial Action Task Force (FATF), it implies:

- (a) the country is facing economic sanctions from major economies due to its financial irregularities
- (b) the country has significant deficiencies in tackling money laundering and terror funding
- (c) the country has to amend its domestic laws in conformity with FATF regulations otherwise would likely to placed in the 'grey list' in near future
- (d) the country has taken positive measures to tackle illicit finance including money laundering and terror funding

52. Consider the following statements regarding the Minimum Support Prices (MSP) in India:

1. The value of labour provided by family members is not considered as a production cost while determining MSP.
2. The Government of India announces MSPs at a level of at least 1.5 times the A2+FL cost of production.

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

- 53.** What is 'Blue Bond'?
- An instrument to finance conservation of forest biodiversity
 - An insurance mechanism to protect ships against pirates in high seas
 - A debt instrument to finance marine and ocean-based projects
 - A viability gap funding to encourage private sector in river linking projects
- 54.** Consider the following statements:
- Statement-I:**
In 2024, India was the largest recipient of remittances in the World.
- Statement-II:**
There has been a recovery in the job markets of the high-income countries.
- Statements-III:**
Net Foreign Direct Investment (FDI) inflows into India increased considerably in 2024.
- Which one of the following is correct in respect of the statements given above?
- Both statement -II and statement -III are correct and both of them explain statement -I
 - Both statement -II and statement -III are correct, but only one of them explains statement -I
 - Only one of the statements II and III is correct, and that explains statement -I
 - Neither Statement -II nor statement -III is correct
- 55.** India is said to be at the inflection point of its demographic transition for which one of the following reasons?
- The proportion of the elderly is projected to stabilize
 - The fertility rate is expected to increase significantly
 - The proportion of youths in total population is projected to decline
 - The proportion of the working-age population is projected to increase
- 56.** The Foreign Direct Investment (FDI) in which of the following sectors require government approval in India?
- Telecom communication infrastructure
 - Print media
 - Critical pharmaceutical drugs
 - Lotteries
 - Real Estate
- Select the correct answer using the code given below:
- 1, 2, 3, and 5 only
 - 1, 2 and 4 only
 - 3, 4 and 5 only
 - 1, 2, 3, 4 and 5
- 57.** With reference to Digital Bharat Nidhi (DBN), consider the following statements:
- Its resources are raised through a 'Universal Access Levy' (UAL) on telecom operators.
 - It monitors and implements the Universal Service Obligation (USO) Fund projects.
 - The Telecom Regulatory Authority of India (TRAI) Chairman acts as its ex-officio administrator.
- Which of the statements given above is/are correct?
- 1 only
 - 2 and 3 only
 - 1 and 2 only
 - 1, 2 and 3
- 58.** The gravity model of international trade states that:
- bilateral trade between two countries is proportional to their population sizes and inversely related to inflation differential between them
 - bilateral trade between two countries is proportional to their economic sizes and inversely related to share of agriculture in their respective economic output
 - bilateral trade between two countries is proportional to their population sizes and inversely related to trade barriers between them
 - bilateral trade between two countries is proportional to their economic sizes and inversely related to the geographic distance between them

59. Which of the following statements regarding the Water (Prevention and Control of Pollution) Amendment Act, 2024 are correct?

1. It decriminalizes several minor offences related to water pollution.
2. It empowers the Central Government to exempt certain industries from obtaining prior consent for discharging sewage.
3. The appointment and service conditions of the Chairperson of State Pollution Control Board is prescribed by the Central Government.

Select the correct answer using the code given below:

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

60. The terms 'DUET and ENTICE' are sometimes seen in the news in the context of:

- (a) Space exploration
- (b) Energy transition
- (c) Artificial intelligence
- (d) Climate migration

61. Consider the following pairs:

	Polymer Type	Common Use
1.	Polyethylene Terephthalate (PET)	Food containers
2.	High-Density Polyethylene (HDPE)	Shampoo bottles
3.	Polystyrene (PS)	Disposable coffee cups

Which of the pairs given above are correctly matched?

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

62. Consider the following statements:

Statement-I:

All “non-native species” are “invasive” in nature for the host ecosystem.

Statement-II:

Introduction of “non-native species” can cause harm to the host ecosystem.

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

63. With reference to the Wetland City Accreditation, consider the following statements:

1. It recognizes cities with the highest number of wetland sites in different countries.
2. It considers both natural and human-made wetlands for accreditation.
3. It is granted by Wetlands International in association with UN-Habitat.

How many of the statements given above are correct?

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

64. Which one of the following components is commonly found in pink fire retardants used to fight wildfires?

- (a) Ammonium phosphate
- (b) Sodium bicarbonate
- (c) Potassium nitrate
- (d) Calcium chloride

65. Consider the following:

1. Steller's sea cow
2. Manatee
3. Dugong

How many of the above species are extinct?

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

66. Consider the following statements:

Statement-I:

Monsoon rainfall generally improves ground water quality by diluting salts.

Statement-II:

Monsoon rainfall always leads to a reduction in nitrate levels in groundwater.

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

67. The term 'Urban Mining' is used for:

- (a) extracting minerals from municipal solid waste landfills
- (b) underground mining techniques for semiconductor industries
- (c) extracting valuable minerals from electronic waste
- (d) generating a cryptographic solution that matches specific Bitcoin criteria

68. Consider the following statements:

Statement-I:

Hérons are important ecological wetland health indicators.

Statement-II:

Hérons are subject to bioaccumulation and biomagnification of toxic materials.

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

69. Which one of the following correctly refers to India's 'Nuclear Triad'?

- (a) INS Arihant, Sagarika, Rafale
- (b) Agni-V, INS Arihant, Rafale
- (c) INS Arihant, Rafale, Mirage-2000H
- (d) Agni-V, Prithvi, Akash

70. With reference to Organs-on-chips (OoCs), consider the following statements:

1. It is created through tissue engineering to mimic human physiology.
2. Polydimethylsiloxane (PDMS) is a commonly used material in OoCs.
3. It offers a potential alternative to traditional animal testing.

Which of the statements given above are correct?

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

71. Consider the following statements:

Statement-I:

End-to-end encryption (E2EE) prevents cloud service providers and internet service providers from accessing data during transmission.

Statement-II:

E2EE secures data only while it moves between endpoints, but does not encrypt data stored on cloud servers.

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

72. Consider the following statements:

- 1. The proposal for an All India Federation was first suggested by the Butler Committee.
- 2. The Delhi Pact of 1932 by the Princely States favored the creation of an All India Federation.

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

73. Consider the following statements regarding M.C. Rajah:

- 1. He was the Founder-President of All India Depressed Classes Association.
- 2. He attended the Second Round Table Conference as a representative of Dalits.
- 3. He advocated for separate electorates for Dalits.

How many of the statements given above are correct?

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

74. Consider the following geographical features of India:

- 1. Mount Girnar
- 2. Tosham Hill
- 3. Lonar Lake
- 4. Barren Island

How many of the above are of volcanic origin?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All four

75. Which one of the following countries celebrates the New Year first?

- (a) Australia
- (b) New Zealand
- (c) Kiribati
- (d) Russia

76. Consider the following statements regarding the Governor of a State:

- 1. The President of India consults the Governor while appointing Judges of the State High Court.
- 2. S/he appoints District Judges and other persons to the judicial service in the State.
- 3. The power of terminating the services of a District Judge is with the Governor.

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

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

77. Consider the following:

- 1. Cross voting in Rajya Sabha election
- 2. Cross voting in the Presidential election
- 3. Abstaining from voting in the House after a whip is issued

How many of the above instances can lead to disqualification of a Member of Parliament based on Anti-Defection Law?

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

78. In the context of the electoral rolls for general elections in India, which one of the following statements is **not** correct?

- (a) The provisions for the preparation of electoral rolls are provided under the Representation of the People Act, 1950.
- (b) A person can apply for enrollment in the voter list only after attaining the age of 18 years.
- (c) The electoral roll is updated every quarter.
- (d) A Non-Resident Indian settled in a foreign land can be enrolled in an electoral roll in India.

79. Which of the following are the official languages of the United Nations (UN)?

1. Spanish
2. Arabic
3. French
4. Portuguese
5. Hindi
6. Chinese

Select the correct answer using the code given below:

- (a) 1, 2, 3 and 6 only
- (b) 1, 4, 5 and 6 only
- (c) 2, 3, 4 and 5 only
- (d) 1, 2, 3, 5 and 6 only

80. What is GovDrive, recently seen in the news?

- (a) A cloud-based platform to share documents
- (b) A centralized database for tracking government vehicles
- (c) A blockchain-based system for securing government transactions
- (d) A mobile app for real-time government service updates

81. Which one of the following best describes ‘shad-gunya’ in the context of ancient history of India?

- (a) Virtues for a person to attain Moksha in Buddhism
- (b) Policies mentioned for a king in Arthashastra
- (c) Religious sacrifices mentioned in the Rig Veda
- (d) Architectural styles for the Shikhara of temples

82. Consider the following statements regarding the Kumbh Mela:

1. It takes place alternatively at four cities – Prayagraj, Nashik, Ujjain, and Rameshwaram.
2. It is listed on the UNESCO intangible World Heritage List.
3. The Maha Kumbh Mela takes place every twelve years, while the Ardha Kumbha is a triennial event.

How many of the above statements are correct?

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

83. Consider the following pairs:

	Country	Reason for being in the news
1.	Bangladesh	Military takeover of the civil government
2.	Syria	Government toppled by militant rebel forces
3.	South Korea	Political crisis due to martial law

How many of the pairs given above are correctly matched?

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

84. Consider the following pairs:

	Type of Biotechnology	Description
1.	Grey	Conservation and recovery of contaminated natural ecosystems
2.	Golden	Analysis of DNA sequence and protein structure
3.	White	Production of biodegradable polymers
4.	Violet	Ethical aspects of biotechnology

How many of the above pairs are correctly matched?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All four

- 85.** MuleHunter.AI, which aims to combat financial fraud effectively and specifically targets mule accounts used in illegal activities, has been introduced by:
- NITI Aayog
 - Reserve Bank of India (RBI)
 - Securities and Exchange Board of India (SEBI)
 - National Bank for Agriculture and Rural Development (NABARD)
- 86.** In the context of economy, the term ‘credit mix’ best refers to:
- the proportion of a bank’s total lending that goes to different sectors
 - the variety of loan accounts a person has in his credit report
 - the percentage of a borrower’s total available credit that is currently being used
 - the contributions of various sources in a country’s total outstanding debt
- 87.** Consider the following instruments:
- Futures Contracts
 - Participatory Notes
 - Promissory Notes
 - Credit Default Swaps
 - Commercial Paper
- How many of the above are derivative instruments?
- Only two
 - Only three
 - Only four
 - All five
- 88.** With reference to forest fires, consider the following statements:
- Statement-I:**
The majority of fire-related tree cover loss in the last two decades have occurred in the tropical regions.
- Statement-II:**
Deforestation associated with agricultural expansion has led to higher temperatures and dried-out vegetation in the tropical regions.
- Which one of the following is correct in respect of the above statements?
- Both Statement–I and Statement–II are correct and Statement–II explains Statement–I
 - Both Statement–I and Statement–II are correct, but Statement–II does *not* explain Statement–I
 - Statement–I is correct, but Statement–II is incorrect
 - Statement–I is incorrect, but Statement–II is correct
- 89.** Consider the following events:
- First Nuclear Test
 - First Satellite Launch
 - Establishment of the ISRO
 - Establishment of DRDO
- Which is the correct chronological sequence of above events starting from earliest?
- 1 - 3 - 2 - 4
 - 3 - 4 - 2 - 1
 - 4 - 3 - 2 - 1
 - 4 - 3 - 1 - 2
- 90.** Consider the following statements regarding the Government of India Act, 1861:
- It provided the Viceroy with ordinance-making powers during emergencies.
 - It restored the legislative powers of the Madras and Bombay Presidencies.
- Which of the statements given above is/are correct?
- 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2

91. Consider the following:

1. Azotobacter
2. Azolla
3. Mycorrhiza

What is common among all the three organisms mentioned above?

- (a) All the three are used as biofertilizers
- (b) All the three are detritivores organisms
- (c) All the three live in symbiotic relationship
- (d) All the three are bacteriophages

92. Consider the following pairs:

	Official during Gupta Period	Role
1.	Pustapala	Record keeper
2.	Gopasramin	In charge of cattle and pastures
3.	Prathama Kulika	Chief artisan or head of the guild
4.	Purapala	Protector or administrator of towns

How many of the above pairs are correctly matched?

- (a) Only one
- (b) Only two
- (c) Only three
- (d) All four

93. Consider the following statements regarding the Equinox:

1. It is the only time when the sun rises directly due East and sets directly due West for everyone on Earth.
2. During this time, the actual position of the sun is below the horizon.

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

94. Consider the following atmospheric conditions:

1. The capacity of air to hold water vapour is at maximum
 2. The place of condensation is very high above the ground
 3. Dew point is higher than the freezing point
- Which of the following types of precipitation would occur due to the above conditions?
- (a) Mist
 - (b) Fog
 - (c) Dew
 - (d) Frost

95. Consider the following statements:

Statement-I:

The amount of heat received by different parts of the earth is not the same.

Statement-II:

The spherical shape of the Earth causes the Sun's rays to fall more directly near the equator.

Statement-III:

The axial tilt of the Earth results in concentration of heat beyond tropics.

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

- (a) Both Statement-II and Statement-III are correct and both of them explain Statement-I
- (b) Both Statement-II and Statement-III are correct, but only of them explains Statement-I
- (c) Only one of the Statements-II and III is correct and that explains Statement-I
- (d) Neither Statement-II nor Statement-III is correct

96. 'Retting' is employed on which of the following crops to obtain fibre?

1. Jute
2. Mesta
3. Ramie
4. Sunn Hemp
5. Cotton

Select the correct answer using the code given below:

- (a) 1, 2, 3 and 4 only
- (b) 1, 3, 4 and 5 only
- (c) 1, 2, 4 and 5 only
- (d) 1, 2, 3, 4 and 5

97. Consider the following pairs:

	Port	Country
1.	Newark	Canada
2.	Qingdao	China
3.	Yanbu	Saudi Arabia

How many of the pairs given above are correctly matched?

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

98. Consider the following statements regarding the Arab traveler Al-Masudi:

1. He visited India during the reign of the Pratihara king Bhoja.
2. He recorded his travels in the book *Akhbar-uz-zaman*.

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

99. Which one of the following schools of Indian philosophies was the latest to be established?

- (a) Mimamsa
- (b) Yoga
- (c) Advaita Vedanta
- (d) Charvaka

100. 'Jack rabbit', 'Shaggy horn wild ibex' and 'Red panda' are mainly found in:

- (a) Moist Deciduous Forests
- (b) Mangrove Forests
- (c) Montane Forests
- (d) Tropical Rainforests