

# **VAJIRAM & RAVI**

## **PowerUp All India Prelims Mock Test - 02 (23-03-2025) 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. Consider the following paragraph:

The Parliament in India is not a sovereign body. The authority and jurisdiction of Parliament are limited by the \_\_\_\_\_ and by the incorporation of a code of justiciable \_\_\_\_\_ in the Constitution. There is also a provision for \_\_\_\_\_, which means that all laws passed by Parliament must conform with the provisions of the Constitution and are liable to be tested for constitutionality by an independent Judiciary.

Which of the following terms most appropriately fill in the above blanks?

- (a) Written Constitution, Directive Principles of State Policy, Due Process of Law
- (b) Union Executive, Preamble, Special Leave Petition
- (c) Tenth Schedule, Fundamental Duties, Original Jurisdiction of the Supreme Court
- (d) Seventh Schedule, Fundamental Rights, Judicial Review

2. Consider the following:

1. Judicial Review
2. Basic Structure
3. Federal
4. Domicile
5. Religious Denomination

How many of the above terms are *not* explicitly mentioned in the Constitution of India?

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

3. Which one of the following has been vested with the authority to determine the number of judges to be appointed in a State High Court?

- (a) The President
- (b) The Chief Justice of India
- (c) The Parliament
- (d) The Governor

4. Consider the following pairs:

	Situation	Violates the Fundamental Right under
1.	Banning of a book	Article 19
2.	Severely polluted environment	Article 21
3.	Unequal wages for male and female	Article 23
4.	Defamation	Article 18

How many of the pairs given above are correctly matched?

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

5. Consider the following statements regarding the Whip system in India:

1. The Constitution of India explicitly allows political parties to issue 'whips' to their legislators.
2. Defying a party whip automatically results in disqualification of a legislator.
3. Only recognized political parties in the legislature can issue a whip.

How many of the statements given above are correct?

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

6. Consider the following:

1. Conviction for demand of dowry for self or any of his relatives
2. Offering money to electors in lieu of voting in favour of his candidature
3. Furnishing false information about his educational qualifications to the Election Commission
4. Convincing voters to vote according to divine will
5. Promising direct benefit schemes to electors on winning

How many of the above actions could be taken as 'corrupt practices' for the purpose of disqualification of a candidate under the Representation of People Act, 1951?

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

7. Consider the following:
1. Prime Minister
  2. Union Home Minister
  3. Speaker of Lok Sabha
  4. Chief Justice of India or any Supreme Court judge nominated by him
  5. Leader of Opposition in Lok Sabha
- How many of the above are common members in the selection committees for the Director of Central Bureau of Investigation, Chief Vigilance Commissioner and Lokpal in India?
- (a) Only two
  - (b) Only three
  - (c) Only four
  - (d) All five

8. Recently, the President of India advocated for the institution of All India Judicial Service (AIJS). In this context, consider the following statements:

**Statement-I:**

A constitutional amendment, requiring ratification from half of the States, is needed to institute the All India Judicial Service (AIJS).

**Statement-II:**

District judiciary comes under the State Government as per Part VI of the Constitution of India.

Which of the following is correct in respect to 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

9. Consider the following statements with reference to the United Nations (UN):

1. There are no explicit provisions for Permanent Observer Status in the UN Charter.
2. A Permanent Observer has free access to most UN meetings and relevant documentation.
3. Intergovernmental organizations can be granted Permanent Observer Status.

How many of the above statements are correct?

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

10. If a bill, other than a Money Bill, originates in the Lok Sabha and is passed by it, the Rajya Sabha is informed about it through a message along with a copy of the bill as passed. This copy also carries an endorsement signature, certifying that the bill has been passed by the Lok Sabha.

Who among the following signs the copy of the bill?

- (a) President of India
- (b) Speaker of the Lok Sabha
- (c) Minister of Parliamentary Affairs
- (d) Secretary General of the Lok Sabha

11. Arrange the following countries in the chronological order of joining the Shanghai Cooperation Organization (SCO):

1. Uzbekistan
2. Tajikistan
3. Iran
4. Belarus
5. India

Select the correct answer using the code given below:

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

12. Consider the following statements regarding the Principal Secretary to the Prime Minister of India:
1. S/He is the administrative head of the Cabinet Secretariat.
  2. Currently, the Office has the status of a Cabinet Minister.
- 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
13. Consider the following scenario:  
Ramu is a new applicant for the direct cash transfer under the PM-Kisan programme. In order to avail the benefits of the scheme, he was asked to obtain a mandatory *Kisan Pehchan Patra* (Farmer ID). In the above scenario, the *Kisan Pehchan Patra* (Farmer ID) serves as a proof of:
- (a) Ramu's exemption from income tax on agricultural earnings
  - (b) Ramu's ownership of agricultural land
  - (c) Ramu's guaranteed access to government procurement at Minimum Support Price (MSP)
  - (d) Ramu's recognition as a verified farmer by the government
14. The terms '*Smurfing*' and '*Mules*' were recently seen in the news in the context of:
- (a) Illegal wildlife trafficking
  - (b) Money laundering
  - (c) Cyber attack techniques
  - (d) Nuclear transfer therapy
15. Consider the following statements:  
**Statement-I:**  
Certificates of Deposit (CDs) are a form of near money.  
**Statement-II:**  
CDs can be easily converted to cash.  
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
16. Consider the following statements regarding the Priority Sector Lending Certificates (PSLCs):
1. They help the banks transfer risks and loan assets.
  2. They are exempted from the levy of Goods and Service Tax (GST).
  3. Regional Rural Banks (RRBs) do not participate in the trading of PSLCs.
- How many of the statements given above are correct?
- (a) Only one
  - (b) Only two
  - (c) All three
  - (d) None
17. Consider the following statements with reference to the Variable Rate Repo (VRR):
1. Unlike the repo rate, the VRR is predetermined by the Reserve Bank of India.
  2. It provides long-term liquidity to banks.
- 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
18. Consider the following:
1. Trading of Treasury Bills (T-Bills)
  2. Issuance of Commercial Papers (CPs)
  3. Long-term equity financing through stock exchanges
  4. Notice Money Market operations
  5. Trading of Government Securities (G-Secs) with a maturity of 15 years
- How many of the above activities form a part of the money market?
- (a) Only two
  - (b) Only three
  - (c) Only four
  - (d) All five

19. Consider the following statements:

**Statement-I:**

A decline in consumption expenditure can result in higher private investment.

**Statement-II:**

A reduction in consumption expenditure leads to an increase in savings.

**Statement-III:**

A rise in individuals' savings always leads to a rise in overall savings and investment.

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

20. Consider the following factors:

- 1. Appreciation in domestic currency
- 2. Decrease in global crude oil prices
- 3. Rise in interest rates in the exporting nations

How many of the above can contribute to imported inflation in an economy?

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

21. Which of the following is the correct order of contributing factors of the land degradation in India?

- (a) water erosion > vegetation degradation > wind erosion
- (b) vegetation degradation > water erosion > wind erosion
- (c) wind erosion > water erosion > vegetation degradation
- (d) water erosion > wind erosion > vegetation degradation

22. Consider the following animals:

- 1. Chimpanzees
- 2. Sea Otters
- 3. Penguins
- 4. Bottlenose dolphins

How many of the above use additional tools for hunting or capturing prey?

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

23. "Coral spawning", a crucial event for reef regeneration, primarily occurs due to:

- (a) response to seasonal ocean currents
- (b) synchronization with lunar cycles and water temperature
- (c) changes in the El Niño-Southern Oscillation (ENSO)
- (d) changes in deep-sea volcanic activity

24. Which of the following parameters are used by the Central Pollution Control Board (CPCB) to assess the state of water quality degradation?

- 1. Total coliform organisms
- 2. pH level
- 3. Biological Oxygen Demand (BOD)
- 4. Dissolved Oxygen (DO)

Select the correct answer using the code given below:

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

25. Which one of the following is *not* a biodegradable plastic?

- (a) Polyvinyl Alcohol (PVA)
- (b) Polylactic Acid (PLA)
- (c) Polyethylene Terephthalate (PET)
- (d) Polyhydroxybutyrate (PHB)

26. Consider the following information:

	Phenomenon	Characteristic	Example
1.	Island Gigantism	Species grow larger due to the lack of predators	Komodo Dragon
2.	Phenotypic Plasticity	Change of traits due to environmental changes	Mangrove roots
3.	Adaptive Radiation	Different species develop similar traits independently	Wings of Bats

In which of the above rows is the given information correctly matched?

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

27. Autotrophic bacteria found in active volcanoes obtain energy mainly through chemosynthesis by utilizing sulfur compounds instead of photosynthesis. Which one of the following best describes the reason for this?

- (a) The extreme heat of volcanic environments destroys chlorophyll
- (b) Sunlight does not penetrate deep volcanic vents
- (c) Sulfur-based chemosynthesis produces more energy than photosynthesis
- (d) Carbon dioxide is not available in volcanic environments

28. Consider the following statements:

**Statement-I:**

There are always more autotrophs than herbivores in a healthy food web.

**Statement-II:**

Biomass decreases with each trophic level in a food web.

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. Ethylene oxide is used in various industries for which of the following reasons?

- 1. It is a surface disinfectant.
- 2. It enhances flavor in food products.
- 3. It is an intermediate product of many useful chemicals.

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

30. In the context of environmental conservation, the terms “core zone, buffer zone and transition zone” are associated with:

- (a) Biosphere Reserves
- (b) National Parks
- (c) Wildlife Sanctuaries
- (d) Ramsar Sites

31. Consider the following:

- 1. Absence of bilingual inscriptions
- 2. An average length texts of only 4-5 symbols
- 3. Inconsistent direction of the script

How many of the above reasons make deciphering the Indus Valley Civilisation script difficult?

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

32. Consider the following information:

	Ancient University	Constructed by	Visited By
1.	Vikramashila	Sena Dynasty	Xuan Zang
2.	Nalanda	Gupta Dynasty	I-tsing
3.	Odantapuri	Pala Dynasty	Atisha

In which of the above rows is the given information correctly matched?

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

33. Consider the following:

1. Jainism
2. Buddhism
3. Ajivikas
4. Charvakas

How many of the above subscribe to the doctrine of Karma?

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

34. With reference to South India, Aimperunkulu referred to:

- (a) cult belonging to Shaivism
- (b) Mahayana Buddhist monastic order
- (c) military regiment maintained by Chola rulers
- (d) assembly to perform administrative duties

35. Which of the following technologies were introduced by Turks in India?

1. Paper making
2. Lime mortar
3. Iron stirrup
4. Printing press

Select the correct answer using the code given below:

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

36. Which one of the following dynasties did *not* contribute to the construction or embellishment of the Sanchi Stupa?

- (a) Shungas
- (b) Satavahanas
- (c) Kanvas
- (d) Guptas

37. Arrange the following Mughal Emperors in an order based on the location of their tombs in West to East direction:

1. Babar
2. Akbar
3. Aurangzeb

Select the correct answer using the code given below:

- (a) 1 - 2 - 3
- (b) 1 - 3 - 2
- (c) 2 - 1 - 3
- (d) 3 - 1 - 2

38. Charkha, the symbol of the Indian freedom struggle was used for the first time in which one of the following events?

- (a) Sanyasi Revolt
- (b) Swadeshi Movement
- (c) Non-Cooperation Movement
- (d) Bardoli Satyagraha

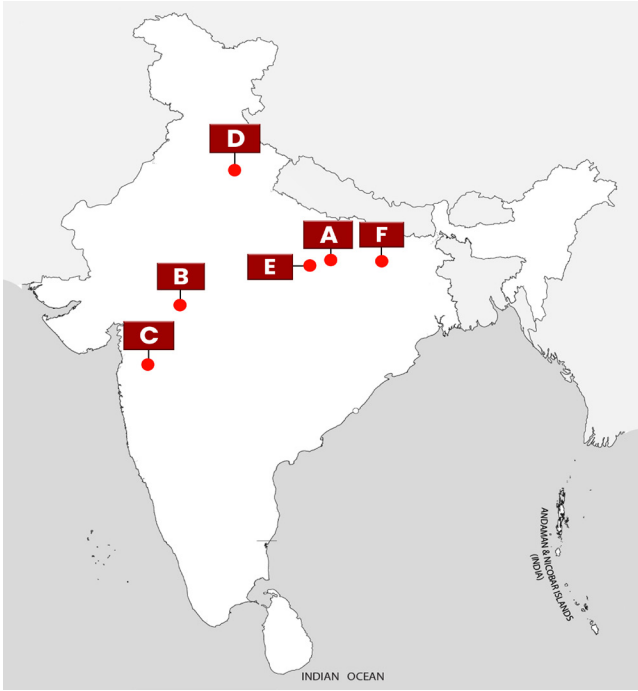
39. With reference to the participation of women in India's freedom struggle, consider the following pairs:

	Personality	Contribution
1.	Sarojini Naidu	First female President of the Indian National Congress
2.	Kamaladevi Chattopadhyay	First Indian woman to be arrested by the British Government
3.	Vijay Laxmi Pandit	First woman to speak in an Indian National Congress Session
4.	Muthulakshmi Reddy	First woman legislator of British India

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

40. Consider the following map:



Which one of the following groups correctly identifies the four cities where the Kumbh Mela is held?

- (a) A, B, C and D
- (b) B, C, D and E
- (c) A, C, E and F
- (d) C, D, E and F

41. The primary contribution of Meridional Circulation is:

- (a) to prevent the mixing of warm and cold air masses
- (b) to distribute heat and moisture between the equator and poles
- (c) to regulate volcanic activity along tectonic plates
- (d) to maintain the concentration of ozone layer in the stratosphere

42. Consider the following:

1. Aeration
2. Organic matter
3. Parent minerals
4. Microbial activity

How many of the above soil properties typically decrease in concentration as depth increases in a soil profile?

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

43. Consider the following statements:

**Statement-I:**

Thermocline layer in oceanic water is weak in polar regions.

**Statement-II:**

In polar regions, there is not much difference in the temperature, salinity and density between the surface waters and the deep waters.

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

44. Consider the following:

1. Quinoa
2. Buckwheat
3. Amaranth
4. Barley
5. Millets

How many of the above are pseudocereals?

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

45. Consider the following statements regarding the tendu, palas and amaltas:

1. All are tropical evergreen trees.
2. All occur in the regions that record rainfall between 70-100 cm.
3. All remain leafless for most part of the year.

How many of the statements given above are correct?

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



46. Which fuel is used by a Semi-Cryogenic Engine?
- Refined Kerosene
  - Refined Petrol
  - Refined Diesel
  - None
47. Consider the following:
- Their fossils have been discovered so far in Indonesia only.
  - They had diminutive stature and small brains.
  - They manufactured and utilized stone tools.
- Which of the early human species has been discussed above?
- Neanderthals*
  - Homo floresiensis*
  - Homo erectus*
  - Denisovans*
48. What is common among the dimethyl sulfoxide, glycerol and propylene glycol?  
All of these are:
- cryoprotectants used for the storage of microorganisms for long periods of time
  - herbicides used to control the growth of weeds in farms
  - antigen receptors used in developing therapies for the treatment of cancer
  - polymers used to reinforce the properties of cotton fibres
49. Consider the following statements:
- Statement-I:**  
Trapped-ion quantum computing is superior to other conventional quantum computing methods.
- Statement-II:**  
Trapped-ion quantum computers use silicon quantum dots as qubits.
- 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
50. The recent discovery of Monolayer Amorphous Carbon (MAC) is significant because:
- it is a highly malleable biomaterial that can be used to produce medical implants and wearables
  - it is the world's first material to exhibit superconductivity at room temperature
  - it is a superatomic semiconductor material that can be used in large scale production of electronic devices
  - it is a crack resistant two-dimensional material with very high strength and durability
51. Consider the following statements regarding the no-confidence motion in the Parliament of India:
- No leave of the House is required to move a no-confidence motion.
  - Not more than one no-confidence motion can be moved in a session.
  - Only a motion expressing want of confidence in the Council of Ministers as a body is admissible.
- Which of the statements given above is/are correct?
- 1 only
  - 2 and 3 only
  - 3 only
  - 1, 2 and 3
52. Arrange the following events in Indian history in chronological order starting from the earliest:
- Formation of the first Communist Party Government in an Indian State
  - Imposition of President Rule for the first time
  - Constitution of the first Administrative Reforms Commission
  - Establishment of Mandal Commission
- Select the correct answer using the code given below:
- 1 - 2 - 3 - 4
  - 2 - 1 - 3 - 4
  - 2 - 1 - 4 - 3
  - 3 - 1 - 2 - 4

53. Consider the following:

1. Iraq
2. Kuwait
3. Syria
4. Iran
5. Qatar
6. Yemen

How many of the above countries border the Persian Gulf?

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

54. Article 142 of the Constitution of India holds significant place because:

- (a) it reinforces the independence of the judiciary
- (b) it grants the Supreme Court the power to transfer cases from a High Court to itself even without the certificate of fitness for appeal provided by the High Court
- (c) it allows the Supreme Court to review its own judgments and orders in cases of apparent error
- (d) it empowers the Supreme Court to deliver justice even in situations where no specific legal provision exists

55. Consider the following statements:

**Statement-I:**

In India, the real executive authority rests with the Council of Ministers.

**Statement-II:**

The Constitution (Forty-Fourth Amendment) Act, 1978 made it obligatory for the President of India to act in accordance with the advice of the Council of Ministers.

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

56. Which one of the following best describes the "hidden hunger", often seen in the news?

- (a) A person does not have enough quantity of cereals like rice and wheat in diet
- (b) A person does not have access to affordable food two times a day
- (c) A person is not getting the required amount of micronutrients from diet
- (d) A person is not getting a freshly cooked meal on regular basis

57. Which one of the following has the authority to decide if a question arises about whether the Governor of a State is required to act in her/his discretion?

- (a) The President
- (b) The Parliament
- (c) The Governor herself/himself
- (d) The State Legislature

58. Which of the following bills can be introduced by a Member of Parliament, other than a Minister, in the Lok Sabha?

1. A Bill regarding the appropriation of money out of the Consolidated Fund of India
2. A Bill regarding altering the boundary of a State
3. A Bill regarding the change in the structure of Seventh Schedule
4. A Bill regarding addition of an ideal in the Preamble

Select the correct answer using the code given below:

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

59. The Estimates Committee of the Parliament of India consists of:

- (a) 22 members, 15 from Lok Sabha and 7 from Rajya Sabha
- (b) 22 members, 7 from Lok Sabha and 15 from Rajya Sabha
- (c) 30 members, all from Lok Sabha
- (d) 30 members, all from Rajya Sabha

60. In India, the form of oath or affirmation to be made under the Third Schedule of the Constitution of India is the same for which of the following?
- Minister for the Union and Member of Parliament
  - Judges of the Supreme Court and the Comptroller and Auditor-General
  - Minister for a State and Member of the Legislature of a State
  - Judges of the Supreme Court and Judges of a High Court
61. The Wallace Line, sometimes mentioned in the news, refers to:
- a boundary that separates Chinese and Philippines' territory in the South China Sea
  - a ceasefire line between Israel and Palestine
  - a boundary that separates faunas of the Asian and Australian biogeographic regions
  - a line that separates territorial waters from the international waters
62. In the era of 'gated globalization,' where trade agreements and tariffs are becoming increasingly interlinked, how does the 'Inverted Duty Structure (IDS)' impact an economy?
- It discourages domestic manufacturing by making raw materials costlier than finished goods.
  - It increases dependence on imports, leading to a higher trade deficit.
  - It boosts local employment by encouraging value addition within the domestic market.
- Select the correct answer using the code given below:
- 1 and 2 only
  - 2 and 3 only
  - 1 and 3 only
  - 1, 2 and 3
63. In the context of the national income accounting of India, consider the following:
- Profits earned by a foreign company from its investments in India
  - Profits earned by an Indian importer of electronic components through their supply in India
  - Income accrued from gambling and betting
  - PM-KISAN transfers to the farmers
  - Custom duties paid for the import of capital goods into India
- How many of the above are included in the calculation of Gross Domestic Product as well as the Net National Income?
- Only two
  - Only three
  - Only four
  - All five
64. Which one of the following statements is *not* correct regarding the 'Non-Convertible Redeemable Preference Shares' (NCRPS)?
- They cannot be converted into equity shares.
  - They provide fixed dividends with a specified redemption period.
  - They have to be issued by the companies within the timeline of T+1 working day.
  - They do not provide the voting rights in the company's general meetings.
65. With reference to the findings of the National Family Health Survey (NFHS) 4 and NFHS 5, which of the following parameters show an increasing trend?
- The percentage of women with bank accounts
  - Women's participation in family decision-making
  - The employment rate for currently married women
  - The overall societal rejection of domestic violence
- Select the correct answer using the code given below:
- 1 and 3 only
  - 2, 3 and 4 only
  - 1, 2 and 4 only
  - 1, 2, 3 and 4

66. In the context of international trade, which one of the following is the primary objective of conducting a 'Principal Purpose Test' (PPT)?
- To classify the goods in various categories for the application of rates of tariff on them
  - To determine the extent of inverted duty structure on specific commodities in an economy
  - To check whether a foreign investment was made with a legitimate purpose or for obtaining speculative gains
  - To ensure that a business is not primarily created to avoid taxes by taking advantage of bilateral tax treaties
67. Arrange the following commodities in ascending order of their import value in India for the FY 2023-24:
- Vegetable Oils
  - Pulses
  - Raw Cotton
  - Natural Rubber
- Select the correct answer using the code given below:
- 4 - 3 - 2 - 1
  - 3 - 4 - 2 - 1
  - 4 - 2 - 3 - 1
  - 2 - 4 - 3 - 1
68. Which of the following statements best describes the concept of 'parallel imports'?
- They are associated with the import of counterfeit goods from unauthorized sellers, leading to trademark infringement.
  - They refer to genuine goods imported without the permission of the intellectual property rights holder but are legally purchased in another country.
  - They are a form of trade restriction where a country allows only authorized distributors to import foreign goods, protecting domestic markets from price fluctuations.
  - They are undertaken by multinational companies as a dumping practice by selling excess inventory at lower prices in foreign markets.
69. Consider the following taxes:
- Stamp Duty
  - Registration Fees
  - Motor Vehicle Tax
  - Security Transaction Tax
  - Corporation Tax
- How many of the above form part of the State Own Tax Revenue (SOTR)?
- Only two
  - Only three
  - Only four
  - All five
70. Consider the following statements with respect to the Internationally Transferred Mitigation Outcomes (ITMOs):
- These are carbon offsetting units traded under the Paris Agreement.
  - These can be quantified in terms of carbon dioxide equivalent only.
- Which of the statements given above is/are correct?
- 1 only
  - 2 only
  - Both 1 and 2
  - Neither 1 nor 2
71. Which of the following methods help in controlling Harmful Algal Blooms?
- UV-C irradiation
  - Ultrasound exposure
  - Use of hydrogen peroxide
  - Use of clay
- Select the correct answer using the code given below:
- 1, 3 and 4 only
  - 1, 2 and 3 only
  - 2 and 4 only
  - 1, 2, 3 and 4

72. Which one of the following statements best describes the term 'Avoided Emissions'?
- Fulfilling the emission targets through the purchase of carbon credit certificates
  - Reductions in greenhouse gas emissions achieved through the use of a specific product or technique
  - Amount of atmospheric carbon dioxide stored in geological formations and vegetation
  - Accidental leakage of greenhouse gas from faulty infrastructure and equipment that transports fossil fuel
73. Consider the following statements regarding the sensory adaptations of following animals:
- Owls have offset ears to enhance their night hunting capabilities.
  - Bats emit high-pitched sounds that bounce off objects.
  - Snakes use their specialised organ to detect chemicals in the air.
- How many of the above statements are correct?
- Only one
  - Only two
  - All three
  - None
74. "Biodiversity Leakage", sometimes seen in the news, refers to the:
- unintended displacement of environmental damage due to conservation measures
  - loss of genetic diversity within a species due to habitat fragmentation
  - reduction of any aspect of biological diversity due to anthropological reasons
  - disruption of ecosystem stability due to the disappearance of a keystone species
75. Which of the following are Endocrine Disrupting Chemicals (EDCs) found in polluted water?
- Bisphenol A (BPA)
  - Polychlorinated Biphenyls (PCBs)
  - Atrazine
  - Arsenic
- Select the correct answer using the code given below:
- 1, 3 and 4 only
  - 1, 2 and 4 only
  - 2 and 3 only
  - 1, 2, 3 and 4
76. Tanka, Kundis and Khadin, commonly found in the western India, are primarily associated with:
- soil erosion control methods
  - reforestation of barren land
  - sustainable water conservation practices
  - indigenous irrigation canals
77. With reference to Solar Ponds, consider the following statements:
- They can generate electricity through the thermal energy conversion system.
  - They provide a sustainable heat source for desalination of seawater.
  - They can facilitate cooling through the absorption refrigeration system.
- How many of the above statements are correct?
- Only one
  - Only two
  - All three
  - None
78. Consider the following:
- They are located on the banks of the Baghani River.
  - They were constructed by Buddhist monk Dataka.
  - Rang Mahal is the most important cave among them.
- Which one of the following sites has been discussed above?
- Badami caves
  - Bagh caves
  - Sittanavasal caves
  - Udayagiri and Khandagiri caves

79. Which one of the following is the correct sequence of the pottery traditions in ancient India starting from the earliest to the latest?

- (a) Ochre Coloured Pottery - Painted Grey Ware - Northern Black Polished Ware
- (b) Ochre Coloured Pottery - Northern Black Polished Ware - Painted Grey Ware
- (c) Painted Grey Ware - Ochre Coloured Pottery - Northern Black Polished Ware
- (d) Northern Black Polished Ware - Painted Grey Ware - Ochre Coloured Pottery

80. Consider the following statements regarding the role of Buddhist scholars in spreading Buddhism:

- 1. Buddhaghosa is credited with writing the Visuddhimagga, a comprehensive commentary on the Theravāda Buddhist scriptures.
- 2. Vajrabodhi played a major role in translating Pali texts into Sinhalese.
- 3. Amoghavajra was instrumental in the spread of Tantric Buddhism in China.

Which of the statements given above is/are correct?

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

81. Which one of the following statements best describes the concept of Purusha and Prakriti in Indian philosophy?

- (a) Purusha is the ultimate Brahman and Prakriti is an illusion (Maya).
- (b) Purusha represents pure consciousness and Prakriti represents the cause of the universe.
- (c) Purusha and Prakriti are perceived through inference and logical reasoning rather than as fundamental cosmic principles.
- (d) Purusha and Prakriti are two of the seven categories (padarthas) that constitute reality.

82. In the context of Medieval India, consider the following pairs:

	Taxation	Description
1.	Haq-i-Sharb	A water tax
2.	Rahdari	A stamp duty
3.	Katraparcha	A religious tax

How many of the pairs given above are correctly matched?

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

83. Consider the following paragraph:

Sher Shah had established \_\_\_\_ system for land (polaj), which was under continuous cultivation. Later, this system was adopted by Akbar and introduced the \_\_\_\_ system all over North India, which later developed into the \_\_\_\_ system.

Which of the following terms most appropriately fill in the above blanks?

- (a) Rai, Zabti, Ijara
- (b) Zabti, Ghalla-bakhshi, Nasaq
- (c) Rai, Karori, Zabti
- (d) Ijara, Dahsala, Zabti

84. Which one of the following organised an all-India agitation against reduction in maximum age for appearing in Indian Civil Service, popularly known as the Indian Civil Service Agitation?

- (a) Native Press Association
- (b) Indian National Congress
- (c) British India Association
- (d) Indian Association

85. Consider the following:

- 1. B.R. Ambedkar
- 2. Muhammad Shafi
- 3. Mukhtar Ahmed Ansari
- 4. Muhammad Ali Jinnah

Which of the leaders given above opposed the Simon Commission of 1927?

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

86. Which of the following historical personalities were *not* contemporaries of each other?
- Shah Jahan and Shivaji
  - Ajatshatru and Gautama Buddha
  - Harsha and Pulakesin II
  - Alauddin Khilji and Prithviraj Chauhan

87. Consider the following pairs:

	Strait	Connects
1.	Strait of Sicily	Ionian Sea and Adriatic Sea
2.	Torres Strait	Coral Sea and Arafura Sea
3.	Magellan Strait	Atlantic Ocean and Pacific Ocean

Which of the pairs given above is/are correctly matched?

- 1 only
  - 2 and 3 only
  - 3 only
  - 1, 2 and 3
88. Which one of the following best describes the term “cold drop”?
- A high-pressure system that leads to prolonged droughts in the Black Sea region
  - A phenomenon characterized by the sudden fall in sea temperatures in the Atlantic Ocean
  - An isolated depression at high altitudes in the western Mediterranean region
  - The formation of tropical cyclones in the Pacific Ocean
89. Consider the following:
- Average temperature range of 20–29°C
  - Rainfall above 300 cm per year
  - Well-drained loamy soils
  - Open areas for sunlight exposure
- How many of the above conditions are required for the cultivation of Dragon Fruit?
- Only one
  - Only two
  - Only three
  - All four

90. Which one of the following geographic features is *not* of Karst origin?
- Flowstones
  - Eskers
  - Dolines
  - Poljes

91. Consider the following rivers:

- Beas
- Barak
- Lohit
- Teesta
- Gomati

How many of the above flow entirely within India?

- Only two
  - Only three
  - Only four
  - All five
92. In the context of Indian physiography, which one of the following is the correct sequence of the geographical features according to their location from North to South?
- Karewas - Dhrians - Chos - Kayals
  - Kayals - Dhrians - Karewas - Chos
  - Chos - Karewas - Kayals - Dhrians
  - Karewas - Chos - Dhrians - Kayals

93. Which of the following minerals are found in beach sand deposits:

- Ilmenite
- Rutile
- Gold
- Zircon

Select the correct answer using the code given below:

- 1, 2 and 4 only
- 1, 3 and 4 only
- 2 and 3 only
- 1, 2, 3 and 4

94. Which one of the following best defines the term 'Cosmic Inflation'?
- The expansion of the universe faster than the speed of light
  - The gradual cooling of the universe after the Big Bang
  - The gradual acceleration of the universe's expansion due to dark energy
  - The formation of galaxies from initial density fluctuations
95. Which of the following physical phenomena is primarily explained by the particle nature of light?
- Photoelectric effect
  - Diffraction
  - Polarization
  - Interference
- Select the correct answer using the code given below:
- 1 only
  - 1 and 4 only
  - 2 and 3 only
  - 1, 2, 3 and 4
96. Which one of the following statements best describes the 'chorus wave', recently detected by the National Aeronautics and Space Administration (NASA)?
- It is the band of electromagnetic waves that could explain dark matter and energy.
  - It is an intense radio wave emanating from a neutron star and lasts from a fraction of a millisecond to a few seconds.
  - It is the electromagnetic emission in space that plays a significant role in the dynamics of the radiation belts around Earth.
  - It is a band of gravitational waves emanating from a triple black hole system.
97. Consider the following statements:
- Statement-I:**  
Malaria is very difficult to eradicate completely.
- Statement-II:**  
The malarial parasites frequently change their surface proteins.
- Statement-III:**  
The malaria's life cycle spans multiple stages across more than one host.
- Which one of the following is correct in respect of the above statements?
- 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
98. Fire-and-forget missiles are missiles that can hit their target without further intervention from the operator after launch. Which of the following missiles of India are based on this technology?
- Nag Mk 2
  - Prithvi
  - Brahmos
  - Agni-V
- Select the correct answer using the code given below:
- 1 and 2 only
  - 2 and 4 only
  - 1, 3 and 4 only
  - 1, 2, 3 and 4
99. 'Diethylcarbamazine Citrate' and 'Albendazole' are part of the Mass Drug Administration program for which one of the following diseases?
- Leptospirosis
  - Tuberculosis
  - Dengue Fever
  - Lymphatic Filariasis



100. Which of the following are the benefits of the Carbon dioxide (CO<sub>2</sub>) Battery technology?

1. No use of critical minerals like lithium
2. Emission of water vapours only
3. No requirement of cryogenic temperature
4. Grid-scale energy storage

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 and 4 only