

1. Consider the following Constitutional Amendments and their descriptions:

Column A:

**Amendment
(Year)**

Column B: Description

A. 7th (1956)	1. Governor can hold office in two or more states simultaneously
B. 11th (1961)	2. Vice-President elected by members of an electoral college consisting of both Houses of Parliament
C. 24th (1971) & 42nd (1976)	3. Amendment to Article 368 itself
D. 44th (1978)	4. Removal of 'internal disturbance' as a ground for President's Rule

How many of the above pairs are correctly matched?

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

2. Consider the following statements about the State Executive and Governor's powers under the Indian Constitution:

- Article 154 vests the executive power of the state in the Governor, who acts on the advice of the Council of Ministers headed by the Chief Minister.
- Article 161 grants the Governor the power to grant pardons, reprieves, respites or remissions of punishment, but this power is identical in scope and application to the pardoning power of the President under Article 72.
- Article 167 requires the Chief Minister to act as a constitutional link between the Governor and the State Council of Ministers, facilitating communication and governance.

Which of the statements given above is/are correct?

- a) Only 1
- b) Only 2 and 3
- c) Only 1 and 3
- d) All 1, 2 and 3

3. Consider the following statements regarding the Vice-President of India:

- Under Article 67 of the Constitution, the Vice-President may resign from office by submitting a written resignation to the President.
- The Vice-President is the ex-officio Chairman of the Rajya Sabha and has the authority to preside over its sessions and decide on disqualification matters of its members.

Which of the statements given above is/are correct?

- a) Both 1 and 2 are correct, and statement 2 explains statement 1.
- b) Both 1 and 2 are correct, but statement 2 does not explain statement 1.
- c) Only 1 is correct.
- d) Only 2 is correct.

4. Consider the following statements regarding the Constituent Assembly of India:

- The Constituent Assembly initially consisted of 389 members, which reduced to 299 after the partition due to migration of some members to Pakistan.
- Dr. Sachchidananda Sinha was the first temporary chairman of the Constituent Assembly, while Dr. Rajendra Prasad was later elected as its President.
- The Constitution of India was adopted on 26th November 1950, and a total of 284 members signed the final document.

Which of the statements given above is/are correct?

- a) Only 1 and 2 are correct, and statement 2 explains statement 1.
- b) Only 1 and 2 are correct, but statement 2 does not explain statement 1.
- c) Only 1 and 3 are correct.
- d) Only 2 and 3 are correct.

5. Which of the following powers is NOT explicitly granted to the Parliament under Article 3 of the Indian Constitution regarding the reorganization of states?

- a) Altering the name of any state
- b) Diminishing the area of any state
- c) Creating new states without state legislature consent
- d) Altering the boundaries of any state

6. Which of the following statements regarding the Lokayukta system in India is INCORRECT?

- a) Maharashtra was the first state to establish a Lokayukta in 1971.
- b) The Lokayukta and Upalokayukta are appointed by the Governor after consulting the Chief Justice of the State High Court and the Leader of Opposition.
- c) The Lokpal and Lokayukta Act, 2013 mandates all states to have both Lokayukta and Upalokayukta.
- d) Some states have designated officials called Lokpal instead of Lokayukta.

7. Which of the following Fundamental Duties was added by the 86th Constitutional Amendment Act, 2002?

- a) To respect the Indian Constitution, its ideals, and the National Flag and Anthem.
- b) To uphold and defend the sovereignty, unity, and integrity of India.
- c) To develop a humanistic outlook, scientific temper, and spirit of reform.
- d) To provide educational opportunities to one's child between the ages of six and fourteen.

8. Consider the following Articles of the Indian Constitution and their corresponding Directive Principles of State Policy (DPSP):

Articles	Description (P, Q, R, S)	DPSP Type (W, X, Y, Z)
A. Art 43	R. Organisation of agriculture and animal husbandry	W. Socialistic Principles
B. Art 43A	Q. Promotion of cottage industries	X. Gandhian Principles
C. Art 48	S. Protection and improvement of environment and safeguarding forests and wildlife	Y. Economic Principles
D. Art 48A	P. To secure living wages, decent standard of life, and social and cultural opportunities for workers	Z. Environmental Protection

Choose the correct code matching the Articles with their descriptions and DPSP types:

- a) ARY BQX CSP DZW
- b) ARW BQX CSY DPZ
- c) APW BRX CSY DQZ
- d) ARW BQX DPZ CSY

9. Consider the following statements regarding the creation or abolition of a State Legislative Council in India:

1. The resolution for creation or abolition of the Legislative Council must be passed by the State Legislative Assembly by a special majority.
2. Parliament can create or abolish a Legislative Council only if the concerned Legislative Assembly passes a resolution with a simple majority.

Which of the statements given above is/are correct?

- a) Only 1
- b) Only 2
- c) Both 1 and 2
- d) Neither 1 nor 2

10. The 42nd Amendment Act of 1976 transferred certain subjects from the State List to the Concurrent List. Which of the following subjects was **NOT** transferred under this amendment?

1. Education
2. Forests
3. Weights and Measures
4. Agriculture

Select the correct answer:

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

11. Bihar's first sports university, recognized by UGC under Section 2(f) of the UGC Act, 1956, is located at:

- a) Patna
- b) Rajgir
- c) Nalanda
- d) Muzaffarpur

12. Prime Minister Narendra Modi visited Bhagalpur in 2025 to release the 19th instalment of which farmer welfare scheme?

- a) Pradhan Mantri Fasal Bima Yojana
- b) Kisan Samman Nidhi
- c) Soil Health Card Scheme
- d) Paramparagat Krishi Vikas Yojana

13. Consider the following statements about the developmental initiatives and governance in Bihar as per recent reports (2025):

1. Bihar Chief Minister Nitish Kumar inaugurated and laid the foundation stone for developmental schemes worth over ₹820 crore in Nalanda district during his Pragati Yatra.
2. Since 2006, the Bihar government has fenced more than 8,000 graveyards and built boundary walls around temples older than 60 years to prevent theft.
3. The government has ensured 50% reservation for women in Panchayati Raj Institutions since 2007 and in municipal bodies from 2006.
4. Nitish Kumar credited the former Prime Minister Atal Bihari Vajpayee for appointing

him as Bihar's Chief Minister and highlighted peace and improved infrastructure since 2005.

Which of the statements given above are correct?

- a) 1, 2 and 4 only
- b) 2, 3 and 4 only
- c) 1, 3 and 4 only
- d) All of the above

14. The 7th edition of Khelo India Youth Games was virtually inaugurated by Prime Minister Narendra Modi in which city?

- a) Ranchi
- b) Patna
- c) Lucknow
- d) Bhopal

15. Which of the following small airports in Bihar is NOT included in the Airports Authority of India (AAI) and Bihar government's UDAN scheme plan?

- a) Madhubani
- b) Saharsa
- c) Munger
- d) Gaya

16. With reference to recent and past Prime Ministers of the United Kingdom, consider the following pairs:

Prime Minister	Political Party
1. Tony Blair	Labour
2. David Cameron	Labour
3. Liz Truss	Conservative
4. Rishi Sunak	Conservative
5. Keir Starmer	Conservative

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

- a. 1, 3, 4 only
- b. 1, 2, 3 only
- c. 1, 3, 4 only
- d. 3, 4, 5 only

17. Consider the following pairs:

Country	Personality
1. Trinidad & Tobago	Christine Kangaloo
2. Ghana	John Mahama
3. Lebanon	Joseph Aoun
4. São Tomé & Príncipe	Ilza Amado Vaz
5. Romania	Klaus Iohannis

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

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

18. With reference to the Chairmen of the Finance Commission of India, arrange the following in chronological order starting from the earliest tenure:

- 1. Dr. C. Rangarajan
- 2. Arvind Panagariya
- 3. Y.B. Chavan
- 4. N.K. Singh
- 5. Dr. Vijay Kelkar

Select the correct answer using the code given below:

- a. 1-3-5-4-2
- b. 3-1-4-5-2
- c. 3-5-1-4-2
- d. 3-1-5-4-2

19. Consider the following statements:

- 1. The first Budget of independent India was presented by R.K. Shanmukham Chetty in 1947.
- 2. The year 1921 is referred to as the "Demographic Divide" in India's population history.
- 3. Service tax in India was introduced in the Union Budget of 2011-12.

Which of the statements given above is/are correct?

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

20. Consider the following persons:

- 1. Arun Bhansali
- 2. Dhiraj Singh Thakur
- 3. Alok Aradhe
- 4. Bhuvaneshwar Prasad Sinha
- 5. Pralhad Balacharya Gajendragadkar

How many of the above have served as the Chief Justice of India?

- a. Only one
- b. Only two
- c. Only three
- d. None

21. With reference to certain monuments and structures in India, match List-I with List-II and select the correct answer using the code given below:

List-I (Monument / Structure)	List-II (Approximate Height)
A. Mahabodhi Temple	2. 170 feet
B. Vishnupad Temple	4. 100 feet
C. Ramayan Temple	1. 270 feet
D. Bapu Tower	3. 120 feet

Codes:

	A	B	C	D
(a)	2	3	1	4
(b)	2	4	1	3
(c)	1	4	3	2
(d)	3	1	2	4

22. With reference to African countries, match List-I with List-II and select the correct answer using the code given below:

List-I (Country) List-II (Capital)

- | | |
|-----------|---------------|
| A. Gabon | 2. Conakry |
| B. Gambia | 3. Libreville |
| C. Ghana | 4. Banjul |
| D. Guinea | 1. Accra |

Codes:

- | | A | B | C | D |
|-----|---|---|---|---|
| (a) | 2 | 3 | 1 | 4 |
| (b) | 4 | 1 | 2 | 3 |
| (c) | 1 | 2 | 4 | 3 |
| (d) | 3 | 4 | 1 | 2 |

23. With reference to certain movements during India's freedom struggle, arrange the following in chronological order:

1. Eka Movement
2. Sarabandi Campaign
3. Naya Dhobi Bandh
4. Moplah Rebellion

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

24. The *Battle of Porto Novo*, fought between the British forces and Hyder Ali's army during the Second Anglo-Mysore War, took place in which year?

- (a) 1778
 (b) 1780
 (c) 1781
 (d) 1782

25. With reference to the *Subsidiary Alliance* system introduced by Lord Wellesley, consider the following statements:

1. The system was first introduced in 1798 during Lord Wellesley's tenure as Governor-General.
2. Under this system, the British stationed a permanent armed contingent in the territory of the allied state, maintained at the expense of the ally.
3. The ruler entering into the alliance could engage in diplomacy or warfare without British consent.
4. In 1801, the Subsidiary Alliance was introduced in the princely state of Awadh.

Which of the statements given above is/are correct?

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

26. With reference to the *Butler Committee (1927)*, consider the following statements:

1. It was set up to examine the relationship between the princely states and the Government of India.
2. It recommended that the paramountcy of the British colonial government should continue to remain supreme.
3. It suggested that the Governor-General in Council should be the agent of the Crown while dealing with the states.

Which of the statements given above is/are correct?

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

27. With reference to the recommendations of the *Simon Commission (1930)*, consider the following statements:

1. It recommended the abolition of dyarchy in the provinces.
2. It proposed parliamentary responsibility at the Centre.
3. It suggested the separation of Sindh from the Bombay Presidency.
4. It accepted the idea of federalism.

Which of the statements given above is/are **NOT** correct?

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

28. With reference to the *Motilal Nehru Report (1928)*, consider the following statements:

1. It recommended separate electorates for minorities.
2. It proposed a bicameral legislature and adult suffrage.
3. It demanded Dominion Status for India.
4. It recommended the separation of the judiciary from the executive.

Which of the statements given above is/are **NOT** correct?

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

29. With reference to the **Third Round Table Conference (1932)**, consider the following statements:

1. It was attended by 48 delegates representing all major political groups in India.
2. The Indian National Congress and the British Labour Party did not participate in the conference.
3. The idea of "Pakistan" was proposed for the first time by Chaudhary Rahmat Ali during this conference.

Which of the statements given above is/are correct?

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

30. Match the following reform organisations (Column I) with their year of establishment (Column II) and their founder(s) (Column III):

Column I (Organisation)	Column II (Year)	Column III (Founder)
A. Veda Samaj	1. 1870	r. S.H. Chiplunkar, G.V. Joshi, M.G. Ranade
B. East India Association	2. 1864	s. Atmaram Pandurang
C. Prarthana Samaj	3. 1866	p. Keshab Chandra Sen
D. Poona Sarvajanik Sabha	4. 1867	q. Dadabhai Naoroji

Select the correct matching option:

- (a) A-2-p, B-3-q, C-4-s, D-1-r
- (b) A-3-p, B-2-q, C-4-s, D-1-r
- (c) A-2-p, B-3-q, C-1-s, D-4-r
- (d) A-3-p, B-4-q, C-2-s, D-1-r

31. Consider the following statements regarding recent initiatives announced by the Prime Minister in Bihar:

1. The Prime Minister laid the foundation stone for the 'Namo Bharat Rapid Rail' service between Patna and Jaynagar.
2. Bihar was the first state in India to provide 33% reservation for women in Panchayats.
3. The GI tag has recently been granted to Mithila Makhana, recognizing it as a superfood.

Which of the above statements is/are correct?

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

32. Consider the following statements regarding recent infrastructure and development projects in Bihar:

1. AIIMS is being established in Darbhanga for improved healthcare access.
2. The PM announced ₹11,000 crore investment to mitigate floods in Mithila and Kosi regions.
3. The Makhana Research Centre has been accorded national status.

Which of the above statements is/are correct?

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

33. Which Bihari cricketer was praised by the PM for his IPL performance?

- a) Ishan Kishan
- b) Vaibhav Suryavanshi
- c) Shubman Gill
- d) Rishabh Pant

34. Which city hosted the opening ceremony of the 7th Khelo India Youth Games 2025?

- a) Patna
- b) Gaya
- c) Muzaffarpur
- d) Rajgir

35. Under which scheme has the Kosi-Mechi Interlinking Project been approved?

- a) PM-KUSUM
- b) PMKSY-AIBP
- c) Jal Jeevan Mission
- d) Namami Gange

36. Which of the following medal categories was NOT won by India in the Sepaktakraw World Cup 2025?

- a) Women's Doubles (Silver)
- b) Men's Doubles (Bronze)
- c) Men's Quad (Bronze)
- d) Women's Regu (Gold)

37. With reference to Ashoka's Major Rock Edicts, match the following:

Column I

(Major Rock Edict)

Column II (Key Feature)

1. Major Rock Edict I

b. Medical treatment for humans and animals; planting of fruit trees and medicinal herbs; mentions Pandys, Satyapuras, Keralaputras

2. Major Rock Edict II

c. Victory over Kalinga; shift towards peace and Dhamma; mentions Greek kings and southern kingdoms

3. Major Rock Edict VI

a. Prohibition of animal sacrifice, especially during festive seasons

4. Major Rock Edict XIII

d. King's desire to know about people's conditions; welfare measures (Theory of Kingship)

a) 1-a, 2-b, 3-c, 4-d

b) 1-b, 2-c, 3-d, 4-a

c) 1-c, 2-a, 3-b, 4-d

d) 1-a, 2-b, 3-c, 4-d

38. Match the following ancient Indian texts/philosophers with their authors/proponents:

1. Charaka Samhita — Charaka
2. Shushruta Samhita — Dhanvantari
3. Arthashastra — Kautilya (Chanakya)
4. Yoga Sutras — Patanjali
5. Panchatantra — Kalidasa
6. Brahmasutras — Badarayana
7. Kathasaritsagara — Somadeva

How many pairs are correctly matched?

- a) 4
- b) 5
- c) 6
- d) 7

39. Consider the following pairs of National Waterways and their Start–End points:

National Waterway	Start–End Point
1. NW-1	Prayagraj – Haldia
2. NW-2	Kakinada – Puducherry
3. NW-3	Kottapuram – Kollam
4. NW-4	Sadiya – Dhubri

Which of the above pairs are **correctly matched**?

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

40. Consider the following statements:

- 1. In terms of land area, Algeria is the largest country in Africa.
- 2. In terms of population, Brazil is the most populous country in South America.
- 3. Russia is both the largest in area and the most populous country in Europe.

Which of the above statements is/are correct?

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

41. Match the types of boundaries with their correct description:

Type of Boundary	Description
1. Relict Boundary	A. Existed before present settlement, often based on landforms
2. Antecedent Boundary	B. Drawn by a conquering or colonizing power ignoring existing cultural patterns
3. Superimposed Boundary	C. No longer functions but can still be detected on the cultural landscape

Select the correct code:

- (a) 1–A, 2–B, 3–C
- (b) 1–C, 2–A, 3–B
- (c) 1–B, 2–C, 3–A
- (d) 1–C, 2–B, 3–A

42. Match the following minor tectonic plates with their approximate location:

Minor Plate	Location
1. Cocos Plate	A. Between Asiatic and Pacific Plate
2. Nazca Plate	B. Between Central America and Pacific Plate
3. Arabian Plate	C. Mostly the Saudi Arabian landmass
4. Philippine Plate	D. Between South America and Pacific Plate

Select the correct answer using the code given below:

- (a) 1–B, 2–D, 3–C, 4–A
- (b) 1–A, 2–B, 3–D, 4–C
- (c) 1–B, 2–A, 3–C, 4–D
- (d) 1–D, 2–B, 3–A, 4–C

43. The *Bhagat Movement* (1883) was associated with which tribal community?

- a) Santhal
- b) Bhil
- c) Munda
- d) Oraon

44. Which of the following was a major aim of the *Deoband Movement* (1866)?

- a) Promotion of English education among Muslims
- b) Preservation of orthodox Islamic teachings
- c) Support to the British Raj
- d) Propagation of western scientific thought

45. Consider the following pairs of leaders and their associations:

1. Dadabhai Naoroji – Drain of Wealth Theory
2. W.C. Banerjee – First President of INC
3. S.N. Banerjee – Founder of Indian Association
4. Pherozeshah Mehta – Lion of Bombay
5. D.E. Wacha – Extremist leader of INC

Which of the pairs given above is/are **NOT** correctly matched?

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

46. Which of the following is **NOT** correctly matched?

- a) Arya Mahila Samaj – Pandita Ramabai
- b) Ladies' Social Conference – Ramabai Ranade
- c) NCW (1925) – Margaret Cousins
- d) AIWC (1927) – Margaret Cousins

47. Which of the following statements is **incorrect**?

- a) The *Sanyasi Revolt* (1763–1800) was triggered by economic hardships after Bengal famine (1770) and British restrictions.
- b) The *Kol Uprising* (1831–32) took place in Chota Nagpur under leaders like Budhu Bhagat.
- c) The *Bhumij Revolt* (1832–33) was led by Ganga Narayan Singh against British oppression.
- d) The *Moplah Uprising* (1836–40) took place in Bengal under Sidho and Kanho.

48. Consider the following statements:

1. The Earth's temperature remains nearly constant because the insolation received equals the terrestrial radiation lost.
2. About 85% of the total incoming solar radiation is reflected back to space, and this reflectivity is known as Earth's albedo.
3. Of the radiation reflected back to space, clouds account for a greater share than snow and ice.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 1 and 2 only

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

49. Shortwave radiation carries more energy than longwave radiation because:

- (a) It has higher temperature
- (b) It has a shorter wavelength
- (c) It travels a shorter distance
- (d) It is emitted by the Earth

50. Match the following types of clouds with their key characteristics:

Column I (Cloud Type)	Column II (Key Characteristic)
1. Cirrus	A. Black or dark grey, bring continuous rain/snow
2. Cumulus	B. Thin, feathery, high-altitude clouds (8,000–12,000 m)
3. Stratus	C. Layered, cover large portions of sky
4. Nimbus	D. Look like cotton wool, flat base, patchy appearance

- (a) 1-B, 2-D, 3-C, 4-A
- (b) 1-C, 2-B, 3-D, 4-A
- (c) 1-B, 2-C, 3-A, 4-D
- (d) 1-D, 2-B, 3-C, 4-A

51. Rishi Kund, a sacred water tank associated with the Ramayana, is located in which district of Bihar?

- (a) Nalanda
- (b) Munger
- (c) Rohtas
- (d) Gaya

52. The unit digit of the value of the expression $2025^{2025} + 2026^{2026} + 2027^{2027} + 2028^{2028}$ is:

- (a) 2
- (b) 4
- (c) 6
- (d) 0

53. Elon, Mark and Sam are employed to do a piece of work for ₹529. Elon and Mark together are supposed to do 19/23 of the work, while Mark and Sam together are supposed to do 8/23 of the work. Assuming each is paid in proportion to the work done, how much should Elon be paid?

- (a) ₹299
- (b) ₹345
- (c) ₹368
- (d) ₹391

54. Who was the first woman IPS officer from Bihar?

- a) Kiran Bedi
- b) Nitu Singh
- c) Nirmala Kumari
- d) Rekha Kumari

55. Consider the following statements about minerals in Bihar:

1. Bihar is the only state in India where pyrite is mined.
2. Limestone deposits are found in Kaimur and Rohtas districts.
3. Mica in Bihar is mainly found in Nawada and Jamui districts.

Which of the statements given above is/are correct?

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

56. Govind Narain Singh, who served as the Governor of Bihar (1988–1989), was earlier the Chief Minister of which state?

- a) Uttar Pradesh
- b) Rajasthan
- c) Madhya Pradesh
- d) Chhattisgarh

57. Who served as the Pro-tem Speaker of the Bihar Legislative Assembly in November 2020 and is currently serving as the Union Minister for Micro, Small & Medium Enterprises?

- a) Vijay Kumar Sinha
- b) Awadh Bihari Chaudhary
- c) Jitan Ram Manjhi
- d) Nand Kishore Yadav

58. Consider the following statements:

1. During the Mauryan Empire, Pataliputra was fortified with a 16 km long wooden wall and a moat, as described by Megasthenes in *Indica*.
2. Bihar's Maner Sharif became a prominent Sufi center in the 14th century under Sufi saint Makhdoom Yahya Maneri.
3. Pataliputra was the birthplace of Makhdoom Yahya Maneri.

Which of the statements given above is/are correct?

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

59. Match the following **operations** with their **objectives/locations**:

Column A – Operation

Column B – Objective / Location

A) Operation Indravati

1) Rescue of children by Indian Railways (7 years, 84,000+ children)

B) Operation Seema

2) Humanitarian mission by Indian Army in Myanmar

C) Operation Sarvashakti

3) Counter Pakistan's attempts to revive terrorism in J&K

D) Operation 'Nanhay Farishte'

4) Targets drug smugglers

E) Operation Brahma

5) Evacuate Indians from Haiti to Dominican Republic

- a) A-1, B-2, C-3, D-4, E-5
- b) A-5, B-4, C-3, D-1, E-2
- c) A-3, B-1, C-5, D-2, E-4
- d) A-2, B-3, C-4, D-5, E-1

60. Consider the following states/Union Territories:

1. Sikkim
2. Andhra Pradesh
3. Goa
4. Nagaland

Arrange them in **descending order of decadal population growth (2011–2021)**.

- a) 1 – 2 – 3 – 4
- b) 2 – 1 – 3 – 4
- c) 3 – 1 – 2 – 4
- d) 1 – 3 – 2 – 4

61. Consider the following statements:

1. The first session of the Indian National Congress (1885) at Bombay was attended by 72 delegates.
2. The Civil Disobedience Movement (1930) also began with participation of 74 volunteers in the Dandi March.
3. The First Round Table Conference was held in London in 1930 with 78 delegates attending from India.

Which of the above statements is/are **NOT correct**?

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

62. Consider the following pairs of literary works and their authors:

1. *Shivashantikirtan* – Rameshwar Bhattacharya
2. *Chandimangal* – Kabikankan Mukundram Chakravarti
3. *Chaitanyacharitamrita* – Brindavan Das
4. *Chaitanyamangal* – Krishnadas Kaviraj

Which of the above pairs is/are **NOT correctly matched**?

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

63. Consider the following pairs of Telugu poets and their works:

1. Allasani Peddanna – *Manucharitramu*
2. Nandi Timmana – *Parijataapaharanamu*

3. Maadayagari Mallana – *Rajasekhara Charitramu*

4. Dhoorjati – *Panduranga Mahatmyamu*

Which of the above pairs is/are **NOT correctly matched**?

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

64. Consider the following statements about the condition of women as described in contemporary sources (like Nuniz) during the Vijayanagar period:

1. Women were experts in accounting and household management.
2. They were also engaged in soothsaying and astrology.
3. Wrestling was among the physical activities in which women participated.
4. Women were strictly prohibited from learning any intellectual or physical art.

Which of the above statements is **NOT correct**?

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

65. Find the **next term** in the following series:
7, 26, 63, 124, 215, ?

66. A shop offers two successive discounts on the marked price of an article. The first discount is **20%** and the overall (net) discount after both is **44%**. What is the second discount?

- a) 25%
- b) 30%
- c) 35%
- d) 40%

67. Which one of the following pairs is **NOT correctly matched**?

- a) Mahagara – Neolithic site in Uttar Pradesh
- b) Paiyampalli – Neolithic site in Tamil Nadu
- c) Brahmagiri – Megalithic site in Karnataka
- d) Gilgit – Megalithic site in Jammu & Kashmir

68. Cotton was probably first grown at which ancient site around **7000 years ago**?

- a) Harappa
- b) Mehrgarh
- c) Kalibangan
- d) Lothal

69. Which among the following sites had **fire altars**?

- a) Mohenjodaro and Harappa
- b) Kalibangan and Lothal
- c) Rakhigarhi and Dholavira
- d) Banawali and Surkotada

70. Arrange the following geological periods in **chronological order (earliest to latest)**:

- 1. Devonian
 - 2. Cambrian
 - 3. Carboniferous
 - 4. Silurian
- a) 2 – 4 – 1 – 3
 - b) 1 – 2 – 3 – 4
 - c) 2 – 1 – 4 – 3
 - d) 4 – 2 – 3 – 1

71. Which one of the following pairs is **NOT correctly matched**?

- a) Jurassic – First mammals & birds
- b) Carboniferous – First reptiles & trees
- c) Silurian – First amphibians
- d) Cambrian – First fish

72. Consider the following pairs:

- 1. Chandrababhu – Symbol: Crescent Moon
- 2. Shreyansnath – Symbol: Rhinoceros
- 3. Shitalnath – Symbol: Kalpavriksha
- 4. Anantnath – Symbol: Crocodile

How many of the above pairs are correctly matched?

- a) Only 2
- b) Only 3
- c) All 4
- d) Only 1

73. Consider the following statements regarding the position of women during the Gupta age:

- 1. The practice of **Swayamvara** was abandoned.
- 2. **Pre-puberty marriages** were common.
- 3. **Widows were never allowed to remarry.**
- 4. Women were regarded as **Shakti, the energising principle.**

Which of the statements are correct?

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

74. The Tamil word **Muvendar**, found in Sangam literature, refers to:

- a) Three merchant guilds
- b) Three temples dedicated to Shiva
- c) Three ruling families – Cholas, Cheras, Pandyas
- d) Three port cities of southern India

75. As per the Human Development Index (HDI) Report released by **March 2025**, which country secured the **1st rank** in the world?

- a) Norway
- b) Iceland
- c) Switzerland
- d) Denmark

76. In the **2025 World Press Freedom Index** released by Reporters Without Borders (RSF), what is India's rank?

- (a) 159
- (b) 151
- (c) 140
- (d) 127

77. With reference to **Capital Expenditure (Capex)** in the Union Budget, consider the following statements:

- 1. It creates long-term assets such as roads, railways, schools, and hospitals.
- 2. It includes loans given by the Central Government to states and PSUs.
- 3. It generates future returns and helps in boosting economic productivity.
- 4. Unlike Revenue Expenditure, it contributes directly to asset creation and infrastructure growth.

Which of the above statements are correct?

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

78. With reference to Non-Tax Revenue of the Government of India, consider the following:

1. Dividends and profits from Public Sector Enterprises (PSEs) are part of Non-Tax Revenue.
2. Interest receipts on loans given by the Union Government to States and UTs come under Non-Tax Revenue.
3. Spectrum auction proceeds and license fees from telecom companies are classified as Non-Tax Revenue.
4. Disinvestment proceeds from sale of government equity in PSUs are included under Non-Tax Revenue.

Which of the above statements is/are correct?

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

79. Personal Income (PI) is calculated as:

- (a) NI – Depreciation – Transfer Payments + Net Indirect Taxes
- (b) NNP – Net Indirect Taxes + Depreciation
- (c) NI – Net Factor Income from Abroad + Subsidies
- (d) NI – Undistributed Profits – Corporate Tax – Net Interest Payments + Transfer Payments

80. National Income (NI) is defined as:

- (a) NNP at market prices – Corporate Tax + Subsidies
- (b) GDP at factor cost – Depreciation + Net factor income from abroad
- (c) GNP at factor cost – Indirect Taxes + Subsidies
- (d) NNP at factor cost \equiv NNP at market prices – Net Indirect Taxes (Net Indirect Taxes \equiv Indirect Taxes – Subsidies)

81. Personal Disposable Income (PDI) is defined as:

- (a) PI – Corporate tax – Non-tax revenue
- (b) PI – Personal tax payments – Subsidies
- (c) PI – Personal tax payments – Non-tax payments
- (d) PI – Personal tax payments – Indirect taxes

82. With reference to the Bihar Budget 2025-26, which of the following statements is/are correct?

1. The total budget size presented was **₹3.17 lakh crore**, with revenue expenditure accounting for around **79.5%** of total expenditure.
2. The **highest allocation** was made for the **Education sector**, exceeding ₹60,000 crore.
3. A dedicated **Purple Bus Service** to be operated entirely by women staff has been announced as part of women empowerment measures.

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

83. In an election with two candidates, 85% of the registered voters cast their votes. Of these votes, 10% were declared invalid. If the winner got 55% of the valid votes and won by 38,250 votes, then the number of registered voters was:

- (a) 4,80,000
- (b) 5,00,000
- (c) 5,20,000
- (d) 5,40,000

84. Which of the following statements is NOT correct about early coinage in India?

- a) In the Early Vedic period, cow was a unit of exchange.
- b) Mauryan period saw the use of punched-marked coins.
- c) Indo-Greeks issued the first gold coins in India.
- d) Chandragupta II issued silver coins called *Rupaka*.

85. Which sports event is being included in the Khelo India Youth Games for the first time in 2025?

- a) Mallakhamb
- b) Water Polo

- c) Yogasana
d) Rugby

86. Which of the following districts is NOT among the five beneficiaries of the Kosi–Mechi Interlinking Project?

- a) Araria
b) Purnea
c) Kishanganj
d) Bhagalpur

87. In the Sepaktakraw World Cup 2025 medal tally, what was India's overall position?

- a) 1st
b) 2nd
c) 3rd
d) 4th

88. Consider the following pairs:

Site (Minor Rock Edict)	Present Location
1. Brahmagiri	Chitradurga, Karnataka
2. Siddapur	Karnataka
3. Nittur	Bellary, Karnataka
4. Udegolam	Bellary, Karnataka
5. Rupnath	Kaimur Hills, Bihar

How many of the above are correctly matched?

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

89. Consider the following statements:

- Laterite soils are rich in iron oxide and potash but poor in nitrogen, phosphate, and calcium.
- Arid soils often have a 'kankar' layer in their lower horizons due to increased calcium content.
- Saline soils are commonly found in the Chambal basin and are reclaimed by adding gypsum.
- Peaty soils have very high organic matter content, sometimes up to 40–50%.

Which of the above statements is/are correct?

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

90. Consider the following statements:

- Mediterranean climate is found along the east coast of continents between 30°–40° latitudes and has heavy rainfall in summer.
- Tropical wet and dry (Aw) climate is dominated by dense evergreen forests and has a longer wet season than dry season.
- Tropical monsoon (Am) climate is found in the Indian subcontinent and is characterised by heavy summer rainfall and a dry winter.

Which of the statements given above is/are correct?

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

91. Pointing to a woman in a photograph a man says, "She is the daughter of the woman who is the mother of the woman standing next to my father." How is the woman in the photograph related to the man?

- (a) Sister
(b) Daughter
(c) Niece
(d) Aunt

92. Question: What is the age of Mr. X?

Statements:

- (1) Three years ago, X's age was one-fourth of his father's age. Currently the sum of their ages is 72.
(2) X's father is 9 years older than X.

Which of the statements alone or together are sufficient to find X's age?

- (a) Statement (1) alone sufficient
- (b) Statement (2) alone sufficient
- (c) Both together sufficient but neither alone sufficient
- (d) Each statement alone sufficient

93. Seven people A, B, C, D, E, F, G sit around a round table facing the centre. B sits second to the left of A. C is third to the right of B. D sits between A and C. E sits third to the left of D. F sits to the immediate right of G. G is not adjacent to A. Who sits opposite E?

- (a) A
- (b) B
- (c) F
- (d) C

94. Consider the following statements regarding BIMSTEC:

1. BIMSTEC was initially formed as BIST-EC in 1997, with Bangladesh, India, Sri Lanka, and Myanmar as founding members.
2. Its Secretariat is headquartered in Dhaka, Bangladesh.
3. BIMSTEC represents around 22% of the global population and a GDP of about USD 5 trillion.

Which of the above statements is/are correct?

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

95. At the 97th Academy Awards (Oscars 2025), which film won the award for Best Documentary Short Film?

- a) Death by Numbers – Kim A. Snyder and Janique L. Robillard
- b) I Am Ready, Warden – Smriti Mundhra and Maya Gnyp
- c) Incident – Bill Morrison and Jamie Kalven
- d) The Only Girl in the Orchestra – Molly O'Brien and Lisa Remington

96. Who was the recipient of the Dadasaheb Phalke Award in the year 2022 (72nd edition)?

- a) Mithun Chakraborty
- b) Rajnikanth
- c) Asha Parekh
- d) Rekha

97. In the FIFA World Cup 2022 Final between Argentina and France, which player scored a hat-trick (3 goals) — becoming only the second player ever to do so in a World Cup Final?

- a) Lionel Messi
- b) Kylian Mbappé
- c) Olivier Giroud
- d) Antoine Griezmann

98. How many countries participated in the Sepaktakraw World Cup 2025 held in Bihar?

- a) 10
- b) 15
- c) 20
- d) 25

99. Match the following countries with their highest peaks:

Country	Peak
1. Panama	A. Mafadi
2. South Africa	B. Kinyeti
3. Chad	C. Volcán Barú
4. South Sudan	D. Emi Koussi

- (a) 1–C, 2–A, 3–D, 4–B
 (b) 1–A, 2–C, 3–B, 4–D
 (c) 1–B, 2–D, 3–A, 4–C
 (d) 1–D, 2–B, 3–C, 4–A

100. Which of the following ports is a tidal port located on the western coast of India and is the largest by volume of cargo handled?

- (a) Nhava Sheva Port
 (b) Kandla (Deendayal) Port
 (c) Mormugao Port
 (d) Cochin Port

101. Which of the following pairs are correctly matched?

Astronaut	Remark/Association
1. Rakesh Sharma	First Indian in space (1984)
2. Kalpana Chawla	First Indian woman in space
3. Sunita Williams	First Indian to go to ISS
4. Shubhanshu Shukla	First Indian onboard ISS

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

102. Consider the following pairs:

Astronaut	Country	Mission 2025
Peggy Whitson	USA	Ax-4
Sławosz Wiśniewski	Poland	Ax-4
Tibor Kapu	Hungary	Ax-4
Shubhanshu Shukla	India	Gaganyaan

How many pairs given above are **correctly matched**?

- (a) One only
 (b) Two only
 (c) Three only

(d) All four

103. Jahnvi of Palakollu has been selected as an astronaut candidate for which space mission?

- (a) Gaganyaan
 (b) Titans Space Mission
 (c) Axiom-5
 (d) Chandrayaan-4

104. The Chandrayaan-4 mission, scheduled for launch in 2027, aims primarily to:

- (a) Establish a permanent lunar base
 (b) Collect samples from the Moon's surface and bring them back to Earth
 (c) Test new satellite communication systems
 (d) Conduct manned lunar orbit experiments

105: Consider the following statements regarding ISRO's 100th launch mission:

- The mission used GSLV-F15 with an **indigenous cryogenic stage**.
- The **NVS-02 satellite** was placed in a **Geosynchronous Transfer Orbit (GTO)** at 111.75°E, replacing IRNSS-1E.
- NVS-02 carries navigation payloads in L1, L5, and S bands, and a ranging payload in C-band.
- This was the **first operational flight of GSLV with an indigenous Cryogenic stage**.

Which of the above statements is/are correct?

- (a) 1, 2, and 3 only
 (b) 2 and 4 only
 (c) 1, 3, and 4 only
 (d) All of the above

106: Consider the following statements regarding SLINEX 2024:

- SLINEX 2024, conducted off Malabar coast, includes a Harbour Phase from December 17–18 and a Sea Phase from December 19–20.
- INS Kaushalya and SLNS Sayura, both offshore patrol vessels, participate with embarked Special Forces teams from India and Sri Lanka respectively.
- SLINEX was first initiated in 2006 and aims to promote a rules-based maritime environment.

Which of the statements given above is/are correct?

- (a) None
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) All of the above

107: Mohan Majhi, recently in news for government initiatives in Odisha, is currently:

- (a) Chief Minister of Odisha
- (b) Finance Minister of Odisha
- (c) Head of Odisha Government's Department of Pension and Sports
- (d) Governor of Odisha

108: India's first glass bridge over the sea was inaugurated by the Chief Minister in which of the following places?

- (a) Rameshwaram, Tamil Nadu
- (b) Kanniyakumari, Tamil Nadu
- (c) Kanyakumari, Kerala
- (d) Puducherry

109. With reference to women elected to the Lok Sabha from Bihar in 2024, consider the following pairs:

Women MP	Constituency
1. Rama Devi	Pataliputra
2. Veena Devi	Sheohar
3. Kavita Singh	Vaishali
4. Misa Bharti	Siwan

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

- a) 1 and 4 only
- b) 2 and 3 only
- c) None
- d) 1, 2 and 4 only

110. Nirmala Devi, recently selected for the Padma Shri award, is associated with which traditional art form of Bihar?

- A) Madhubani Painting
- B) Sujni Embroidery
- C) Sikki Craft
- D) Manjusha Painting

111. Who is recognized as India's first female engineer?

- A) Anna Mani
- B) Tessy Thomas
- C) Ayyalasomayajula Lalitha
- D) Kalpana Chawla

112. Consider the following companies in the field of Artificial Intelligence (AI):

- 1. Sarvam AI
- 2. Krutrim AI
- 3. OpenAI
- 4. BharatGPT

Which of the above are Indian AI companies?

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

113. With reference to interspecific interactions in ecology, consider the following pairs:

- 1. **Commensalism** – One species benefits while the other is unaffected
- 2. **Mutualism** – Both species benefit
- 3. **Parasitism** – Both species harmed
- 4. **Competition** – Neither benefits
- 5. **Predation** – One species benefits while the other dies
- 6. **Neutralism** – Both species unaffected

How many of the above pairs are correctly matched?

- (a) 2 pairs only
- (b) 3 pairs only
- (c) 4 pairs only
- (d) 5 pairs only

114. The potential difference generated along a single conductor due to a temperature gradient is known as:

- (a) Seebeck Effect
- (b) Thomson Effect
- (c) Peltier Effect
- (d) Joule Effect

115. If two plane mirrors are kept exactly parallel to each other, the number of images formed of an object placed between them will be:

- (a) 2
- (b) 4
- (c) 8
- (d) Infinite

116. During the burning of a magnesium ribbon in air, a white ash is collected in a watch-glass. Which of the following **correctly** explains the observation?

- (a) Magnesium reacts with oxygen to form a basic oxide that turns red litmus blue.
- (b) Magnesium reacts with nitrogen to form magnesium nitride, which is yellow in color.
- (c) Magnesium burns with a blue flame to give carbon dioxide, which turns lime water milky.
- (d) Magnesium reacts with moisture to give hydrogen gas collected in the watch-glass.

117. When an iron nail is dipped in blue copper sulphate solution, the nail turns brownish and the solution fades in colour. The brown coating on the nail is due to:

- (a) Copper metal deposited on iron
- (b) Iron rusting immediately
- (c) Iron sulphate crystallizing on the nail
- (d) Precipitation of ferric hydroxide

118. Rancidity in food materials occurs due to –

- (a) Reduction of fats and oils
- (b) Oxidation of fats and oils
- (c) Fermentation of sugars
- (d) Hydrolysis of proteins

119. Which of the following substances has a strongly acidic pH?

- (a) 1M NaOH
- (b) Lemon juice
- (c) Coffee
- (d) Carrot juice

120. The following table shows some natural sources and the acids they contain. How many of the pairs are correctly matched?

Natural Source	Acid
Tamarind	Tartaric acid
Tomato	Oxalic acid
Ant sting	Methanoic acid
Nettle sting	Methanoic acid
Sour milk (Curd)	Lactic acid

- a) All 5 correct
- b) 4 correct
- c) 3 correct
- d) 2 correct

121. The chemical formula of Plaster of Paris is:

- a) $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$
- b) $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$

- c) $\text{CaSO}_4 \cdot \text{H}_2\text{O}$
- d) $\text{CaSO}_3 \cdot \frac{1}{2}\text{H}_2\text{O}$

122. Consider the following metals: Magnesium (Mg), Aluminium (Al), Zinc (Zn), and Iron (Fe). Which of the following correctly represents their decreasing order of reactivity?

- a) $\text{Fe} > \text{Zn} > \text{Al} > \text{Mg}$
- b) $\text{Mg} > \text{Al} > \text{Zn} > \text{Fe}$
- c) $\text{Zn} > \text{Mg} > \text{Fe} > \text{Al}$
- d) $\text{Al} > \text{Mg} > \text{Fe} > \text{Zn}$

123. Ionic compounds conduct electricity in molten state because:

- a) Heat breaks covalent bonds in the compound
- b) Ions become free to move and carry charge
- c) The compound evaporates partially
- d) Electrons are released from atoms

124. Arrange the following compounds in **increasing order of boiling points**: Methane (CH_4), Ethanol ($\text{CH}_3\text{CH}_2\text{OH}$), Chloroform (CHCl_3), Acetic acid (CH_3COOH).

- a) $\text{CH}_4 < \text{CHCl}_3 < \text{CH}_3\text{CH}_2\text{OH} < \text{CH}_3\text{COOH}$
- b) $\text{CH}_4 < \text{CH}_3\text{CH}_2\text{OH} < \text{CHCl}_3 < \text{CH}_3\text{COOH}$
- c) $\text{CH}_4 < \text{CHCl}_3 < \text{CH}_3\text{COOH} < \text{CH}_3\text{CH}_2\text{OH}$
- d) $\text{CH}_4 < \text{CH}_3\text{COOH} < \text{CHCl}_3 < \text{CH}_3\text{CH}_2\text{OH}$

125. The ability of carbon to form bonds with other carbon atoms is called:

- a) Polymerisation
- b) Catenation
- c) Sublimation
- d) Isomerisation

126. Organisms that secrete enzymes outside the body to digest food and then absorb it are called:

- a) Autotrophs
- b) Holozoic feeders
- c) Saprotrophs
- d) Parasites

127. Which of the following statements about the circulatory system in vertebrates is correct?

- a) In fishes, blood passes through the heart twice in one complete cycle.
- b) Birds and mammals have a four-chambered heart to prevent mixing of oxygenated and deoxygenated blood.
- c) Amphibians have a two-chambered heart.
- d) Double circulation occurs in fishes.

128. With reference to the *British India Association*, consider the following statements:

1. It was formed in Calcutta in 1861.
2. Raja Radhakant Deb was one of its founding members.
3. Debendranath Tagore was its first President.
4. The Association mainly represented the interests of zamindars.

Which of the above statements is **NOT correct**?

- a) 1 & 3 only
- b) 2 only
- c) 3 & 4 only
- d) 4 only

129. Consider the following statements regarding the fore-brain:

1. It is the main thinking part of the brain.
2. Separate regions of the fore-brain are specialized for different senses such as hearing, smell, and sight.
3. Association areas in the fore-brain integrate sensory inputs with stored information in the brain.

Which of the above statements is/are correct?

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

130. Which of the following hormones is secreted during a "fight-or-flight" response in animals such as squirrels?

- a. Insulin
- b. Adrenaline
- c. Thyroxine
- d. Cortisol

131. Consider the following pairs (Hormone — Endocrine source):

1. Growth hormone — Thyroid gland
2. Insulin — Pancreas
3. Releasing hormones — Pituitary gland
4. Adrenaline — Adrenal gland

Which of the pairs given above is/are **NOT correctly matched**?

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

132. In Hydra, reproduction by budding involves which of the following features?

1. Bud develops as an outgrowth due to repeated cell division at a specific site.
2. The bud matures into a tiny individual while still attached to the parent.
3. The bud remains permanently attached to the parent, forming a colony.

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

133. In *Rhizopus* (bread mould), the blob-like structures seen on hyphae are called:

- a. Spores
- b. Sporangia
- c. Hyphae
- d. Mycelium

134. Hans Christian Oersted is best remembered for which of the following discoveries?

- a. Relationship between heat and electricity
- b. Relationship between electricity and magnetism
- c. Discovery of electromagnetic induction
- d. Discovery of cathode rays

135. When a straight current-carrying wire is bent to form a circular loop and current is passed through it, which of the following is correct?

1. The magnetic field lines appear as concentric circles around each part of the loop.
2. At the centre of the loop, the arcs of these circles appear as straight lines.
3. The direction of the magnetic field at the centre can be determined using the left-hand rule.

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

136. Consider the following pairs (Material — Nature of resistivity):

1. Nichrome — Resistivity higher than pure metals, used in heating elements
2. Glass — Resistivity of the order 10^{10} – 10^{14} Ω m, behaves as an insulator
3. Manganin — Resistivity of the order 10^{-8} Ω m, used in electrical wiring

Which of the above pairs is/are **NOT** correctly matched?

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

137. With reference to the heating effect of electric current, consider the following statements:

1. Tungsten is used for making bulb filaments because of its high melting point.
2. Bulbs are filled with nitrogen or argon to prolong the life of the filament.
3. A fuse is connected in parallel with the electrical device to protect it from damage.
4. The working principle of an electric iron, toaster, and oven is based on Joule's heating effect.

Which of the above statements is/are **correct**?

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

138. With reference to Presbyopia, consider the following statements:

1. It is an age-related defect of vision in which the near point of the eye gradually recedes.
2. It occurs due to the decreasing power of accommodation of the eye.
3. Convex lenses are commonly used to correct this defect.

Which of the above statements is/are correct?

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

139. The twinkling of stars is observed because:

1. Starlight undergoes continuous atmospheric refraction before reaching the earth.
2. The apparent position of a star fluctuates due to varying physical conditions of the atmosphere.
3. Stars are very distant and appear as point-sized sources of light.

Which of the above statements are correct?

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

140. Why are convex mirrors better than plane mirrors as rear-view mirrors in vehicles?

- (a) They give a magnified image of vehicles behind.
- (b) They provide an erect image but within a limited field of view.
- (c) They provide an erect, diminished image and a much wider field of view.
- (d) They eliminate blind spots completely.

141. Arrange the following in increasing order of refractive index (lowest → highest):

- a. Ice → Water → Alcohol → Kerosene → Rock salt
- b. Water → Ice → Alcohol → Kerosene → Rock salt
- c. Ice → Alcohol → Water → Kerosene → Rock salt
- d. Rock salt → Kerosene → Alcohol → Water → Ice

142. Which slogan is associated with the Khelo India Youth Games?

- a) Play India, Win India
- b) Khelo India, Jeeto India
- c) Khelo India, Swasth India
- d) Khelo India, Jeetega India

143. Where was the Sepaktakraw World Cup 2025 held?

- a) Bangkok
- b) Nagpur
- c) Patna
- d) New Delhi

144. Match the following authors/works and identify how many of the pairs are correctly matched:

1. **Manimekalai** — *Ilango Adigal*
2. **Tirumurai** — *Nambiyandar Nambi*
3. **Silappadikaram** — *Sattanar*
4. **Kural** — *Tiruvalluvar*
5. **Bhāskarācārya (Bhāskara II)** — *Līlāvati; Bījagaṇita; Siddhānta-Śiromaṇi*
6. **Brahmagupta** — *Khaṇḍakhādya*

How many pairs are correctly matched?

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

145. Consider the following statements:

1. In July, the Inter Tropical Convergence Zone (ITCZ) shifts northward to about 20°N–25°N over the Gangetic plain, forming the monsoon trough.
2. The onset of the southwest monsoon in India is aided by the setting in of the easterly jet stream along 15°N latitude after the withdrawal of the westerly jet stream.
3. El Niño events generally result in above-average monsoon rainfall over most parts of India.

Which of the above statements is/are correct?

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

146. Consider the following statements:

1. The Jhelum river originates from a spring at Verinag, flows through Wular Lake, and joins the Chenab in Pakistan.
2. The Chenab river, also called Chandrabhaga, is formed by the confluence of the Chandra and Bhaga rivers near Keylong in Himachal Pradesh.
3. The Satluj river originates near Mansarovar in Tibet and enters India through the Shipki La pass.

Which of the above statements is/are correct?

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

147. Which of the following is NOT among the five districts hosting the Khelo India Youth Games 2025?

- a) Patna
- b) Gaya
- c) Rajgir (Nalanda)
- d) Rohtas

148. Which stadium in Bihar hosted the Sepaktakraw World Cup 2025?

- a) Rajendra Stadium, Siwan
- b) Moin-ul-Haq Stadium, Patna
- c) Patliputra Indoor Stadium, Kankarbagh
- d) Nalanda Sports Complex

149. Consider the following statements:

1. P-waves can travel through solids, liquids, and gases, while S-waves can travel only through solids.
2. The shadow zone for P-waves lies between 105° and 154° from the earthquake epicentre.
3. The shadow zone for S-waves covers less than 24% of the Earth's surface.

Which of the statements given above is/are correct?

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

150. A negative Indian Ocean Dipole (IOD) is characterised by:

- (a) Warmer SSTs in the western tropical Indian Ocean and cooler SSTs in the eastern equatorial Indian Ocean
- (b) Warmer SSTs in the eastern equatorial Indian Ocean and cooler SSTs in the western tropical Indian Ocean
- (c) Uniform SST distribution across the Indian Ocean
- (d) Cooling of the entire Indian Ocean surface

