

1. Genetic screening is
- Analysis of DNA to check the presence of a particular gene in a person
 - Analysis of gene in a population
 - Pedigree analysis
 - Screening of infertility in parents

2. Who among the following is considered as the father of genetic engineering?
- Philip Drinker
 - Paul Berg
 - Thomas Addison
 - Alpheus S. Packard Jr

3. Which of the following cause(s) variation in the genetic material of progeny?
- Sexual reproduction
 - Asexual reproduction
 - Mutations
 - Epigenetic changes

- Select the correct answer using the code given below
- 2 only
 - 1, 2 and 3
 - 1, 3 and 4
 - 1 and 3 only

4. Match List-I with List-II and select the correct answer using the code given below the Lists :
- | | |
|------------|---------------------------|
| List-I | List-II |
| (Plant) | (Natural vegetation type) |
| A. Ebony | 1. Moist deciduous |
| B. Shisham | 2. Himalayan moist |
| C. Walnut | 3. Alpine |
| D. Birch | 4. Tropical evergreen |

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

5. Cobalt is associated with
- Growth hormone
 - Vitamin B12
 - Haemoglobin
 - Intestinal enzymes

6. Match List-I with List-II and select the correct answer using the code given below the Lists :

- | | |
|-------------------------|------------------|
| List-I | List-II |
| (Geological time scale) | (Life form) |
| A. Pleistocene | 1. Mammals |
| B. Palaeocene | 2. Human genus |
| C. Permian | 3. Invertebrates |
| D. Cambrian | 4. Frogs |

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

7. Match List-I with List-II and select the correct answer using the below the Lists:

(Climate)	(Characteristic)
A. Mediterranean	1. Temperature cycle is moderated by marine influence
B. Marine west	2. Warm summers and coast cold winters with three months below freezing. Very large annual temperature range
C. Dry mid-latitude	3. Strong temperature latitude cycle with large annual range. Warm summers to hot and cold winters to very cold
D. Moist	4. Temperature range is continental moderate with warm to hot summers and mild winters

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

8. Measles is a disease caused by

- (a) Bacteria
- (b) Virus
- (c) Protozoa
- (d) Worm

9) Match List-I with List-II and select the correct answer using below the Lists:

List-I (Weathering (Landform/Process)	List-II (type)
A. Chemical weathering	1. Till
B. Mechanical weathering	2. Oxidation
C. Glacial deposits	3. Plant roots
D. Deposition by ground-water	4. Stalactite

Code :

A B C D

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

10) Which of the following is not recommended in Nehru report?

- 1. Dominion status
 - 2. Linguistic provinces
 - 3. Universal adult franchise
 - 4. Complete dissociation of state from religion
- a) 1 and 2
 - b) 1, 2 and 3
 - c) 2, 3 and 4
 - d) None of the above

11) Penicillin inhibits synthesis of bacterial

- (a) Cell wall
- (b) Protein
- (c) RNA
- (d) DNA

12) Most antibiotics target bacterial parasites interfering with various factors of growth or metabolism such as

- 1. Synthesis of cell wall

2. Bacterial protein synthesis

3. Synthesis of nuclear membrane

4. Mitochondrial function

Select the correct answer using the code given below.

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

13) Match List-I with List-II and select the correct answer using the code given below the Lists:

List-I (Region)	List-II (State)
A. Baghelkhand	1. West Bengal
B. Kuttanad	2. Madhya Pradesh
C. Saurashtra	3. Kerala
D. Rarh	4. Gujarat

Code :

A B C D

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

14) Which of the following statements with regard to Portland cement are correct?

- 1. Silica imparts strength to cement.
- 2. Alumina makes the cement quick setting.
- 3. Excess of lime increases the strength of cement.
- 4. Calcium sulphate decreases the initial setting time of cement.

Select the correct answer using the code given below.

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

15) Match List-I with List-II and select the correct answer using the code given below the Lists:

List-I (City)	List-II (Earthquake zone)
A. Kolkata	1. Zone V
B. Guwahati	2. Zone IV
C. Delhi	3. Zone III
D. Chennai	4. Zone II

Code :

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

16) Red phosphorus is used in the manufacture of safety matches. This is due to the fact that

- (a) It shows phosphorescence
- (b) At ordinary temperature, it is less reactive than other varieties of phosphorus
- (c) It cannot be converted to white phosphorus on heating
- (d) It does not react with halogen on heating

17) . Match List-I with List-II and select the correct answer using the code given below the Lists:

List-I (Lake)	List-II (Type)
A. Ashtaniudi Kayal	1. Residual (sweet water)
B. Himayat Sagar	2. Lagoon
C. Dal Lake	3. Glacial
D. Tsomgo Lake	4. Artificial (sweet water)

Code :

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

18) Match List-I with List-II and select the correct answer using the code given below the Lists:

List-I (Fanning area)	List-II (State)
A. Doab	1. Assam
B. Char	2. Karnataka
C. Maidan	3. Punjab
D. Terai	4. Uttar Pradesh

Code :

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

19) Match List-I with List-II and select the correct answer using the code given below the Lists:

List-I (Steel mill)	List-II (State)
A. Kalinganagar	1. West Bengal
B. Vijayanagar	2. Tamil Nadu
C. Salem	3. Odisha
D. Durgapur	4. Karnataka

Code :

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

20) Which one of the following statements is not correct?

- (a) Water starts boiling when its vapour pressure becomes equal to atmospheric pressure.
- (b) Water is known as universal solvent.
- (c) Permanent hardness of water is due to presence of $MgCl_2$, $CaCl_2$, $MgSO_4$ and $CaSO_4$.
- (d) Density of ice is greater than that of water.

21) Which one of the following is not true for diamond?

- (a) Each carbon atom is linked to four other carbon atoms

- (b) Three-dimensional network structure of carbon atoms is formed
- (c) It is used as an abrasive for sharpening hard tools
- (d) It can be used as a lubricant

22) Which one of the following statements about the atmosphere is correct?

- (a) The atmosphere has definite upper limits but gradually thins until it becomes imperceptible.
- (b) The atmosphere has no definite upper limits but gradually thins until it becomes imperceptible.
- (c) The atmosphere has definite upper limits but gradually thickens until it becomes imperceptible.
- (d) The atmosphere has no definite upper limits but gradually thickens until it becomes imperceptible.

23) A body is falling freely under the action of gravity alone in vacuum. Which one of the following remains constant during the fall?

- (a) Potential energy
- (b) Kinetic energy
- (c) Total linear momentum
- (d) Total mechanical energy

24) X-rays are

- (a) deflected by an electric field but not by a magnetic field
- (b) deflected by a magnetic field but not by an electric field
- (c) deflected by both a magnetic field and an electric field
- (d) not deflected by an electric field or a magnetic field.

25) The focal length of the lens of a normal human eye is about

- (a) 25 cm
- (b) 1 m
- (c) 2.5 mm
- (d) 2.5 cm

26) Which one of the following statements is correct?

- (a) Cold fronts move at slower rate than warm fronts and therefore cannot overtake the warm fronts.
- (b) Cold fronts normally move faster than warm fronts and therefore frequently overtake the warm fronts.
- (c) Cold fronts move at slower rate, and eventually they are overtaken by the warm fronts.
- (d) Cold fronts move faster than warm fronts but they cannot overtake the warm fronts.

27) Newton's laws of motion do not hold good for objects

- (a) at rest
- (b) moving slowly
- (c) moving with high velocity
- (d) moving with velocity comparable to velocity of light

28) This item consists of two statements, Statement I and Statement II.

Statement I: The Kuroshio is a warm north-flowing ocean current on the west side of the North Pacific Ocean.

Statement II : Presence of a number of volcanoes at the bottom of the Sea of Japan is responsible for the Kuroshio becoming warm.

Examine these two statements carefully and select the answer to the item using the code given below.

Code :

- (a) Both the statements are individually true and Statement II is the correct explanation of Statement I
- (b) Both the statements are individually true but Statement II is not the correct explanation of Statement I
- (c) Statement I is true but Statement II is false
- (d) Statement I is false but Statement II is true

29) A Bill is deemed to be a 'Money Bill' if it has any provisions dealing with

1. imposition, abolition, remission, alteration or regulation of any tax
2. appropriation of money from the Consolidated Fund of India
3. imposition of fines or other pecuniary penalties
4. payment of fee for licences or fee for service rendered

Select the correct answer using the code given below.

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

30) Which of the following is/are not central feature(s) of Article 343 of the Constitution of India?

1. Hindi in Devanagari Script shall be the national language of the Union.
2. The official language of the Union shall be Hindi in Devanagari Script.
3. English language shall continue to be used for official purposes within States.
4. If two or more States agree, Hindi language should be the official language of communication between the States.

Select the correct answer using the code given below.

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

31) Under flexible exchange rate system, the exchange rate is determined

- (a) predominantly by market mechanism
- (b) by the Central Bank
- (c) as a weighted index of a group of currencies
- (d) by the World Trade Organization

32) Which one of the following is not correct in the context of industrial clusters development in India?

- (a) Industrial clusters play an important role for the MSME participants in their inclusiveness, technology absorption and efficiency improvement
- (b) Industrial clusters are visible in traditional handloom, handicrafts and modern SME
- (c) Industrial cluster programmes in India are administered by various ministries
- (d) Industrial clusters lead to promotion of monopoly in the market

33) Which of the following is/are not central tenet(s) of the Constitution of India?

1. Prohibits discrimination on grounds of religion
2. Gives official status to certain religions
3. Provides freedom to profess any religion
4. Ensures equality of all citizens within religious communities

Select the correct answer using the code given below.

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

34) Private investment in Indian agriculture is mostly on labour-saving mechanization. This could be a response to

- (a) Rising productivity of agricultural sector
- (b) Rising inequality in agriculture
- (c) Rising wages and tighter labour market
- (d) Debt write-off by the Government

35) Who among the following was not a painter at Akbar's Court?

- (a) Daswanth
- (b) Abdus Samad
- (c) Kalyan Das
- (d) Basawan

36) Which one of the following is the major source of gross tax revenue (GTR) for the Government of India?

- (a) Income tax
- (b) Corporation tax
- (c) Customs duty
- (d) Service tax

37) Which one of the following is not an example of externalities?

- (a) Pollution of air by a cement factory
- (b) Health hazard caused to the person due to smoking by himself/herself
- (c) Smoke coming out of neighbour's vehicle
- (d) Increase in land price of adjacent plots due to construction of a road by the Government

38) Patanjali was

- (a) a philosopher of the 'Yogachara' school
- (b) the author of a book on Ayurveda
- (c) a philosopher of the 'Madhyamika' school
- (d) the author of a commentary on Panini's Sanskrit grammar.

39) Which of the following statements in the context of income-environment relationship is/are correct?

- 1. Pollution trends tend to follow an inverse-U shaped relationship across different stages of economic development.
- 2. In the beginning stage, pollution increases due to urbanization and industrialization.
- 3. In the later stage, pollution declines due to structural changes towards services sector.

Select the correct answer using the code given below.

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

40) The Constitution of India guarantees freedom of thought and expression to all its citizens subject to

- 1. Implementation of Directive Principles
- 2. Fundamental Duties
- 3. Right to Equality

Select the correct answer using the code given below.

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

41) In ancient India, the 'Yaudheyas' were

- (a) a sect of the Buddhism
- (b) a sect of the Jainism
- (c) a republican tribe
- (d) Vassals of the Cholas

42) Which one of the following is an example of a 'natural monopoly'?

- (a) Indian Airlines
- (b) Delhi Jal Board
- (c) Delhi Transport Corporation
- (d) Steel Authority of India

43) Which one of the following is not a component of the Realist Theory?

- (a) The State is the preeminent actor
- (b) State sovereignty is important for the affirmation of juridical authority over territory
- (c) The primary objective of all States is survival
- (d) Survival can be assured in cooperation with international organizations

44) The Dashakuntacharita or Tales of Ten Princes' was composed by

- (a) Bhatti
- (b) Banabhatta
- (c) Bhasa
- (d) Dandin

45) Which one of the following does not form part of Immanuel Kant's theory of 'perpetual peace'?

- (a) Republican Constitutionalism
- (b) Federal contract among States to abolish war
- (c) World Government
- (d) Transformation of individual consciousness

46) What is meant by Public Good?

- (a) A commodity produced by the Government
- (b) A commodity whose benefits are indivisibly spread among the entire community
- (c) A Government scheme that benefits the poor households
- (d) Any commodity that is very popular among general public

47) The protection against arrest and detention under Article 22 of the Constitution of India is not available to

- 1. an enemy alien
- 2. a person detained under a preventive detention law
- 3. a foreigner
- 4. an overseas citizen of India

Select the correct answer using the code given below.

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

48) Which of the following statements about the Hastings Plan of 1772 is/are correct?

- 1. Each district was to have a civil and a criminal Court.
- 2. The Judges were helped by native assessors who were skilled in Hindu and Islamic laws.
- 3. The Sadar Diwani Adalat was mainly meant to settle mercantile cases exceeding Rs. 10,000 in value.
- 4. These Courts did not put into place any procedural improvements.

Select the correct answer using the Code given below.

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

49) Which of the following statements about the formation of the Indian National Congress are true?

- 1. The Indian National Congress was formed at a national convention held in Calcutta in December 1885 under the Presidency of Motilal Nehru.
- 2. The Safety Valve Theory regarding the formation of the Indian National Congress emerged from a biography of A. O. Hume written by William Wedderburn.
- 3. An early decision was that the President would be from the same region where the session was to be held.
- 4. W. C. Banerjee was the first President of the Indian National Congress.

Select the correct answer using the code given below.

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

50) Freedom of conscience under the Constitution of India is subject to

- 1. public order, morality and health
- 2. a law providing for social welfare and reform
- 3. opening Hindu religious institutions of a public character to all Hindus
- 4. defamation or incitement to an offence

Select the correct answer using the code given below.

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

51) Which of the following Fundamental Rights is/are available to non-citizens?

1. Equality before Law
2. Right against Discrimination
3. Equality of Opportunity
4. Protection of Life and Personal Liberty

Select the correct answer using the code given below.

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

52) Which of the following statements about the formation of the Constituent Assembly is/are correct?

1. The members of the Constituent Assembly were chosen on the basis of the provincial elections of 1946.
2. The Constituent Assembly did not include representatives of the Princely States.
3. The discussions within the Constituent Assembly were not influenced by opinions expressed by the public.
4. In order to create a sense of collective participation, submissions were solicited from the public.

Select the correct answer using the code given below.

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

53) Which of the following statements about Jyotirao Phule's Satyashodhak Samaj Movement in Maharashtra is/are true?

1. The Satyashodhak Samaj was set up in 1873.
2. Phule argued that Brahmins were the progeny of 'alien' Aryans.
3. Phule's focus on the Kunbi peasantry in the 1880s and 1890s led to a privileging of Maratha identity.

Select the correct answer using the code given below.

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

54) Which of the following laws have been repealed by the Constitution of India?

1. The Government of India Act, 1935
2. The Indian Independence Act, 1947
3. The Abolition of Privy Council Jurisdiction Act, 1949
4. The Preventive Detention Act, 1950

Select the correct answer using the code given below.

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

55) Indian Institute is in which city?

- (a) Dehradun
- (b) Jamnagar
- (c) Dhanbad
- (d) Kolkata

56) A writ of Habeas Corpus for the release of a person can be issued

1. where the arrest or detention has taken place in contravention of the procedure established by law
2. to secure the release of a person imprisoned on a criminal charge
3. where the arrest has taken place for contempt of Court or the Parliament

Select the correct answer using the code given below.

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

57) Who among the following has become First female flight commander in the IAF?

- (a) Wg Cdr Shailja Dhani
- (b) Flt Lt. Avani Chaturvedi
- (c) Wg Cdr Pooja Thakur
- (d) Wg Cdr Anjali Singh

58) Which one of the following statements about Electoral Government in India is not correct?

- (a) The superintendence, direction and control of elections are vested in the Election Commission of India.
- (b) There is one general electoral roll for every territorial constituency.
- (c) The Parliament has the power to make laws relating to the delimitation of constituencies.
- (d) The Supreme Court of India has the authority to scrutinize the validity of a law relating to delimitation of constituencies.

59) The electronic voting machines are developed jointly with

- 1. Bharat Heavy Electricals Limited
- 2. Bharat Electronics Limited
- 3. Electronics Corporation of India Limited
- 4. Bharat Sanchar Nigam Limited

Select the correct answer using the code given below.

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

60) Army Training Command is based in?

- (a) Udhampur
- (b) Chandigarh
- (c) Shimla
- (d) Lucknow

61) Which one of the following is not correct about the Defence Research and Development Organization (DRDO)?

- (a) DRDO was formed in the year 1958

(b) It is a network of 10 laboratories engaged in developing defence technologies.

- (c) DRDO operates under the Ministry of Defence
- (d) Some of its major products include development missiles, armaments, light combat aircrafts, etc.

62) Which one of the following statements about 'Niryat Bandhu Scheme' is correct?

- (a) It is a scheme for mentoring first generation entrepreneurs.
- (b) It is a scheme for crop protection.
- (c) It is a scheme for the vulnerable section of the society.
- (d) It is a scheme for monitoring rural poor

63) Which one of the following statements about the National Adaptation Fund for Climate Change is not correct?

- (a) The fund is meant to assist national and State level activities to meet the cost of adaptation measures.
- (b) This scheme has been taken as a Central Sector Scheme.
- (c) The Indian Council of Agricultural Research is the national implementing
- (d) The scheme has been in force since 2015-2016.

64) Who deciphered the Brahmi and Kharoshthi scripts?

- (a) Piyadassi
- (b) Colin Mackenzie
- (c) Alexander Cunningham
- (d) James Prinsep

65) Which of the following is/are the feature(s) of the Brahmadeya Grants during c 600-1200 AD?

- 1. Their creation meant a renunciation of actual or potential sources of revenue by the State.
- 2. These grants could vary from a small plot to several villages.
- 3. Most grants were made in unsettled areas.

Select the correct answer using the code given below.

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

66) Who is the author of Silappadikaram?

- (a) Kovalan
- (b) Sathanar
- (c) Ilango Adigal
- (d) Tirutakkatevar

67) Which one of the following statements about the Elephanta Island is correct?

- (a) It was given its name by the British after a large elephant structure located there.
- (b) It contains one large cave.
- (c) It is well-known for a spectacular carving of Vishnu described in the Vishnudharmattara Purana
- (d) It is associated with the Pashupata sect

68) Which of the following statements about Sir Syed Ahmad Khan is/are correct?

1. He argued that India was federation of ethnic communities based on common descent.
2. His Philosophy was very similar to that of the Indian National Congress.
3. He imagined India as a Nation State based on individual citizen's rights.
4. The cumclusum at the Mohammedan Anglo-Oriental College blended Muslim theology and European empiricism.

Select the correct answer using the code given below.

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

69) Consider the following statements about Impact of tax

1. A tax is shifted forward to Consume if the demand is inelastic relative to supply.

2. A tax is shifted backward to producers if the supply is relatively more inelastic than demand.

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

70) Which of the following statements about the olive ridley turtles is/are correct?

1. They are the smallest and most abundant of all sea turtles found in the world.
2. They live in warm waters of Pacific, Atlantic and Indian Oceans
3. The Coromandel Coast in India is the largest mass nesting site for the Olive Ridley turtles.

Select the correct answer using the code given below.

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

71) Consider the following statement:

“A sound body means one which bends itself to the spirit and is always a ready instrument at its service.”

The above statement is attributed to

- (a) Sardar Patel
- (b) Winston Churchill
- (c) Mahatma Gandhi
- (d) Baden-Powell

72) Name the platform used for ritual purposes by the kings of the Vijayanagara Empire.

- (a) Mahanavami Dibba
- (b) Lotus Mahal
- (c) Hazara Rama
- (d) Virupaksha

73) The idea of 'Farr-I Izadi', on which the Mughal Kingship was based, was first developed by which one of the following Sufi saints?

- a) Shihabuddin Suhrawadi
- b) Nizamuddin Auliya
- c) Ibn al-Arabi
- d) Bayazid Bistani

74) Which Buddhist text contains an account of the Mauryan Emperor Ashoka?

- a) Vinaya Pitaka
- b) Sutta Pitaka
- c) Abhidhama Pitaka
- d) Mahavamsa

75) Which one of the following statements about Buddhist Stupas in India is not correct?

- a) Ashoka played an important role in popularizing the Stupa cult.
- b) They were repositories of relics of Buddha and other monks.
- c) They were located in rural areas.
- d) They were located close to trade routes

76) Which one among the following States of India has the largest number of seats in its Legislative Assembly?

- a) West Bengal
- b) Bihar
- c) Madhya Pradesh
- d) Tamil Nadu

77) Which of the following statements about the Ordinance-making power of the Governor is/are correct?

- 1) It is a discretionary power.
- 2) The Governor himself is not competent to withdraw the Ordinance at any time.

Select the correct answer using the codes given below.

- a) 1 only
- b) 2 only
- c) Both 1 and 2

d) Neither 1 nor 2

78) Akademik Lomonosov is a / an?

- (a) An Academic Institute
- (b) World's first 'Lomonosov'
- (c) World's first 'Floating Nuclear Reactor'
- (d) World's first 'Atomic train'

79) Consider the following statements about Indo-Tibetan Border Police (ITBP):

- 1) ITBP was raised in 1962.
- 2) ITBP is basically a mountain raised force.
- 3) ITBP replaced Assam rifles in Sikkim and Arunachal Pradesh in 2004-05 for border guarding duty.
- 4) ITBP presently has 52 service battalions.

Which of the statements given above are correct?

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

80) Which one of the following is not an International Humans Rights Treaty?

- a) International Covenant on Civil and Political Rights
- b) Convention on the Elimination of All forms of Discrimination against Women
- c) Convention on the Rights of Persons with Disabilities
- d) Declaration on the Right to Development

81) In the context of elections in India, which one of the following is the correct full form of VVPAT?

- a) Voter Verifiable Poll Audit Trail
- b) Voter Verifying Paper Audit Trail
- c) Voter Verifiable Paper Audit Trail
- d) Voter Verifiable Paper Account Trail

82) Which one of the following is not an objective of the Pradhan Mantri Krishi Sinchayi Yojana (PMKSY)?

- a) To achieve convergence of investment in irrigation at the field level
- b) To expand cultivable area under irrigation
- c) To improve on-farm water use efficiency to reduce wastage of water
- d) To protect farmers against crop failure due to natural calamities.

83) Which one of the following elements is used as a time keeper in atomic clocks?

- a) Potassium
- b) Cesium
- c) Calcium
- d) Magnesium

84) Which one of the following elements is essential for the formation of chlorophyll in green plants?

- a) Calcium
- b) Iron
- c) Magnesium
- d) Potassium

85) Why is argon gas used along with tungsten wire in an electric bulb?

- (a) To increase the life of the bulb
- (b) To reduce the consumption of electricity
- (c) To make the emitted light colored
- (d) To reduce the cost of the bulb

86) Sound waves cannot travel through a

- (a) Copper wire placed in air
- (b) Silver slab placed in air
- (c) Glass prism placed in water
- (d) Wooden hollow pipe loaded in a vacuum

87) Consider the following statements.

- 1) There is no net moment on a body which is in equilibrium
- 2) The momentum of a body is always conserved
- 3) The kinetic energy of an object is always conserved.

Which of the statements given above is/are correct?

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

88) Working of safety fuses depends upon

- 1. magnetic effect of the current
- 2. chemical effect of the current
- 3. magnitude of the current
- 4. heating effect of the current

Select the correct answer using the code given below.

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

89) Which one of the following Amendments to the Constitution of India has prescribed that the Council of Ministers shall not exceed 15 percent of total number for members of the House of the People or Legislative Assembly in the States?

- (a) 91st Amendment
- (b) 87th Amendment
- (c) 97th Amendment
- (d) 90th Amendment

90) Match List-I with List-II and select the correct answer using the code given below the Lists :

List-I	List-II
(Cloud)	(Characteristic)
A. Cirrus	1. Rain-giving
B. Stratus	2. Feathery appearance
C. Nimbus	3. Vertically growing
D. Cumulus	4. Horizontally spreading

Code :

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

(c) 2 4 1 3

(d) 3 4 1 2

91) Which of the following statements about the National Water Academy (NWA) is/are correct?

1. The primary objective of the NWA is to function as Centre of Excellence in training for in-service engineers from Central and State organizations on various aspects of water resource planning.

2. The NWA is located in New Delhi.

Select the correct answer using the code given below.

(a) 1 only

(b) 2 only

(c) Both 1 and 2

(d) Neither 1 nor 2

92) Which one of the following crops is not cultivated in Karewas, the lacustrine deposits of sand, clay, loam, silt and boulders?

(a) Saffron

(b) Almond

(c) Walnut

(d) Ling nut

93) Consider the following tributaries of river Ganga :

1. Gandak

2. Kosi

3. Ghaghara

4. Gomti

Which one of the following is the correct order of the above rivers from east to west?

(a) 3-4-1-2

(b) 2-1-3-4

(c) 2-3-1-4

(d) 1-2-4-3

94) Which of the following National Parks of India are declared as World Heritage by UNESCO?

1. Keoladeo National Park

2. Sundarbans National Park

3. Kaziranga National Park

4. Ranthambore National Park

Select the correct answer using the code given below.

(a) 1 and 2 only

(b) 1, 2 and 3 only

(c) 3 and 4 only

(d) 1, 2, 3 and 4

95) Which one of the following statements about lymph is correct?

(a) Lymph is formed due to leakage of blood through capillaries.

(b) Lymph contains blood cells such as RBC.

(c) Lymph is also circulated by the blood circulating heart

(d) Lymph only transports hormones.

96) Accumulation of which one of the following in the muscles of sprinters leads to cramp?

(a) Lactic acid

(b) Ethanol

(c) Pyruvic acid

(d) Glucose

97) Which one of the following statements about Exchange-Traded Fund (ETF) is not correct?

(a) It is a marketable security.

(b) It experiences price changes throughout the day.

(c) It typically has lower daily liquidity and higher fees than mutual fund shares.

(d) An ETF does not have its net asset value calculated once at the end of every day.

98) Which of the following statements about the India Post Payments Bank (IPPB) is/are correct?

1. It has been incorporated as a Public Limited Company.

2. It started its operation by establishing two pilot branches at Hyderabad and Varanasi.

Select the correct answer using the code given below.

(a) 1 only

(b) 2 only

- (c) Both 1 and 2
- (d) Neither 1 nor 2

99) PV Sindhu recently became the first Indian to win a Gold medal at BWF World Championships 2019 held at?

- (a) London, GK
- (b) Basel, Switzerland
- (c) Osaka, Japan
- (d) Munich, Germany

100) A person is disqualified for being chosen as, and for being, a Member of either House of the Parliament if the person

1. holds any office of profit under Government of India or the Government of any State other than an office declared by the Parliament by law not to disqualify its holder
2. is an undischarged insolvent
3. is so disqualified under the Tenth Schedule of the Constitution of India
4. is of unsound mind and stands so declared by a competent Court

Select the correct answer using the code given below.

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

101) Pakistan was blacklisted by which Group of the Financial Action Task Force (FATF)?

- (a) South Asia Group
- (b) Middle East Group
- (c) Indo-Pacific Group
- (d) Asia-Pacific Group

102) Which one of the following statements with regard to Antrix Corporation Limited is correct?

- (a) It is a commercial arm of the Department of Industrial Policy and Promotion.
- (b) It is under the administrative control of the Department of Space.

(c) It is under the administrative control of the Ministry of Health and Family Welfare.

(d) It is a commercial arm of the department of Science and Technology.

Directions : The following three (3) items consist of two statements, Statement I and Statement II. Examine these two statements carefully and select the correct answer using the code given below.

Code :

- (a) Both the statements are individually true and Statement II is the correct explanation of Statement I
- (b) Both the statements are individually true but Statement II is not the correct explanation of Statement I
- (c) Statement I is true but Statement II is false
- (d) Statement I is false but Statement II is true

103) Statement I : In Tundra climate, biodiversity is comparatively less.

Statement II : Tundra climate has less reproductive wane period.

104) Statement I : A person may suffer from tuberculosis if she/he frequently visits crowded place.

Statement II : Bacteria of tuberculosis spread through droplets by sneezing or coughing.

105) Statement I : Bioaccumulation is a process of progressive accumulation of heavy metals and pesticides in an organism.

Statement II : Large fishes of the pond are found to have higher concentration of pesticides than planktons of the same pond.

106) Which of the following is a landlocked country?

- (a) Cambodia
- (b) Laos
- (c) Vietnam
- (d) Brunei

107) Which of the following causes adiabatic temperature changes in atmosphere?

- (a) Deflection and advection
- (b) Latent heat of condensation
- (c) Expansion and compression of the air
- (d) Partial absorption of solar radiation by the atmosphere

108) INS Kochi is a / an?

- (a) Frigate
- (b) Naval Air station
- (c) Destroyer
- (d) Corvette

109) Match List-I with List-II and select the correct answer using the code given below the Lists :

List-I	List-II
(Hypothesis/Theory)	(Propounder)
A. Planetesimal hypothesis	1. Kober
B. Thermal contraction theory	2. Chamberlin
C. Geosynclinal Orogen theory	3. Daly
D. Hypothesis of sliding continent	4. Jeffreys

Code :

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

110) Bright light is found to emit from photographer's flashgun. This brightness is due to the presence of which one of the following noble gases?

- (a) Argon
- (b) Xenon
- (c) Neon
- (d) Celium

111) Which of the following substances cause temporary hardness in water?

- 1. $Mg(HCO_3)_2$
- 2. $Ca(HCO_3)_2$
- 3. $CaCl_2$

4. $MgSO_4$

Select the correct answer using the code given below.

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

112) Which of the following statements about the usage of the term 'barbarian' is/are correct?

- 1. It is derived from the Greek word 'barbaros' which means a non-Greek.
- 2. Romans used the term for the Germanic tribes, the Gauls and the Huns.

Select the correct answer using the code given below.

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

113) Which one of the following statements is not correct?

- (a) Al-Biruni identifies the Sufi doctrine of divine love as self-annihilation with parallel passages from Bhagavad Gita.
- (b) According to Al-Biruni, Sufi theories of Soul were similar to those in Patanjali's Yoga Sutra.
- (c) The Hatha Yogic treatise Amrita Kunda had lasting impact on Sufism.
- (d) Hujwiri's conversation with the Yogis shows that he was impressed with their theory of the division of the human body.

114) Which one of the following is not a correct ascending order of commissioned ranks in the defence forces of India?

(a) Lieutenant, Captain, Major, Lieutenant Colonel, Colonel, Brigadier, Major General, Lieutenant General, General

(b) Flying Officer, Flight Lieutenant, Squadron Leader, Wing Commander, Group Captain, Air Commodore, Air Vice Marshal, Air Marshal, Air Chief Marshal

(c) Flying Officer, Flight Lieutenant, Squadron Leader, Group Captain, Wing Commander, Air Commodore, Air Vice Marshal, Air Marshal, Air Chief Marshal

(d) Sub Lieutenant, Lieutenant, Lieutenant Commander, Commander, Captain, Commodore, Rear Admiral, Vice Admiral, Admiral.

115) Which of the following statements about Attorney General of India is/are not correct?

1. He is the first Law Officer of the Government of India.

2. He is entitled to the privileges of a Member of the Parliament.

3. He is a whole-time counsel for the Government.

4. He must have the same qualifications as are required to be a judge of the Supreme Court.

Select the correct answer using the code given below.

(a) 1, 2 and 3

(b) 2 and 4

(c) 3 only

(d) 1 only

116) Which one of the following statements in respect of the States of India is not correct?

(a) States in India cannot have their own Constitutions.

(b) The State of Jammu and Kashmir has its own Constitution.

(c) States in India do not have the right to secede from the Union of India.

(d) The maximum number of members in the Council of Ministers of Delhi can be 15 percent of the total number of members in the Legislative Assembly.

117) Shaheen-1, a surface-to-surface ballistic missile was recently test fired by?

(a) Pakistan

(b) Bangladesh

(c) Iran

(d) Iraq

118) Choose the following options about India's border sharing with neighbouring countries in decreasing order.

1. Pakistan 2. China 3. Myanmar 4. Nepal

(a) 1,2,3,4

(b) 2,1,3,4

(c) 1,3,2,4

(d) 2,1,4,3

119) Which of the following are incorrect?

1. 'Operation All Clear' was operation conducted by Bhutan.

2. 'Exercise Prabal Dostyk' held between India and Kazhakstan.

(a) only 1

(b) only 2

(c) Both

(d) None of the above

120. Where amongst following is the highest Airstrip in the World located?

(a) Daulat Beg Oldie, Ladakh

(b) Tawang, Arunachal Pradesh

(c) Aksai Chin, Ladakh

(d) Demchok, Arunachal Pradesh