

1. In the context of hydro - electric power generation centers, which one of the following pair is correct?
 - (A) Nathpa Jhakri - Uttarakhand
 - (B) Tehri Dam - Haryana
 - (C) Sardar Sarovar Dam - Gujarat
 - (D) Koyna Hydroelectric Project - Kerala
2. In the context of thermal power plants, which one of the following pair is correct?
 - (A) NTPC Dadri - Bihar
 - (B) Sasan Ultra Mega Power Plant - Madhya Pradesh
 - (C) Tiroda Thermal Power Plant - Kerala
 - (D) Talcher Super Thermal Power Plant - Maharashtra
3. Consider the following statements :
 - 1) The Rewa Ultra Mega Solar Plant is a large - scale solar power project located in Rewa district, Madhya Pradesh.
 - 2) The plant supplies about $\frac{1}{4}$ of its power to Delhi Metro.Which of the above statements is/are correct?
 - (A) Only 1
 - (B) Only 2
 - (C) Both 1 and 2
 - (D) None of the above
4. Which of the following wind farm is related to Tamil Nadu?
 - (A) Kutch Wind Farm
 - (B) Brahmanvel Wind Farm
 - (C) Bhuj Wind Farm
 - (D) Muppandal Wind Farm
5. Consider the following statements :
 - 1) Kalpakkam Nuclear Power Plant has Fast Breeder Test Reactor (FBTR).
 - 2) The FBTR is designed to utilize a Thorium fuel cycle.Which of the above statements is/are correct?
 - (A) Only 1
 - (B) Only 2
 - (C) Both 1 and 2
 - (D) None of the above
6. Which Statement is true about the Cripps Mission?
 - (A) That the Constitution of India was to be framed by an elected Constituent Assembly of the Indian people
 - (B) That the Constitution should give India Dominion Status, equal partnership of the British Commonwealth of Nations
 - (C) Only A
 - (D) A and B both

7. The council of Ministers in a Parliamentary type of Government can remain in office till it enjoys the support of the-
- Majority of the members of the Lower House of Parliament
 - Majority of the members of the Upper House of Parliament
 - Minority of members of the Lower House of Parliament
 - Minority of members of the Upper House of Parliament
8. A person shall be disqualified for being chosen as, and for being, a member of a Panchayat -
- If he is so disqualified by or under any law for the time being in force for the purposes of elections to the Legislature of the State concerned
 - If he is so disqualified by or under any law made by the Legislature of the State
 - Only A
 - A and B both
9. Which statement is correct about the Sarkaria Committee?
- It was established in March 1983 and has submitted report in 1988
 - It was a one-man Commission
 - Only A
 - A and B both
10. Chief Ministers of all the states are ex-officio members of the
- Finance Commission
 - National Development Council
 - Inter State Council
 - Planning Commission
11. What is contained in the tenth schedule of the constitution?
- Provision regarding disqualification on grounds of defection
 - Forms of oath or affirmation
 - Laws that cannot be challenged in any court of law
 - Languages recognised by constitution
12. The only instance when the President of India exercised his power of veto related to the
- PEPSU Appropriation Bill
 - Dowry Prohibition Bill
 - Hindu Code Bill
 - Indian Post Office (Amendment Bill)
13. Which schedule of the Indian Constitution pertains to the administration and control of Scheduled Areas and Scheduled Tribes in states other than Assam, Meghalaya, Tripura, and Mizoram?
- Ninth Schedule
 - Tenth Schedule
 - Third Schedule
 - Fifth Schedule

14. National Development Council of India was established in which year?
- (A) 1992
(B) 1952
(C) 1985
(D) 1950
15. Which statement is not true about the President of India?
- (A) The election of the President shall be held in accordance with the system of proportional representation by means of the single transferable vote
(B) In President's election every elected member of the Legislative Assembly of a State shall have as many votes as there are multiples of one thousand in the quotient obtained by dividing the population of the State by the total number of the elected members of the Assembly
(C) Article 42 says, there shall be a President of India
(D) The emoluments and allowances of the President shall not be diminished during his term of office
16. Mahatma Gandhi returned an award during the Non-cooperation movement as a mark of protest. The award was:
- (A) Kaiser-i-Hind
(B) Knighthood
(C) Rai Bahadur
(D) Hind Kesari
17. The 'No Tax' campaign in Bardoli was led by:
- (A) Vallabhbhai Patel
(B) Jawaharlal Nehru
(C) Rajendra Prasad
(D) Mahatma Gandhi
18. The Tilak Swaraj Fund was started to finance which of the following movements?
- (A) Bardoli Satyagraha
(B) Rowlatt Satyagraha
(C) Civil Disobedience Movement
(D) Non-Cooperation Movement
19. When was the Bihar Provincial Kisan Sabha established?
- (A) 1938
(B) 1934
(C) 1936
(D) 1928
20. In which year did Netaji Subhas Chandra Bose form the Forward Bloc party?
- (A) 1944
(B) 1939
(C) 1942
(D) 1938



21. The famous Komagata Maru incident related to which of the following countries?
- (A) Germany
(B) U. S. A
(C) Canada
(D) Japan
22. The 'Ilbert Bill' controversy was related to:
- (A) Land revenue policies
(B) Vernacular Press Act
(C) Racial discrimination in the Judiciary
(D) Educational Reforms
23. The Indian Independence League was set up by:
- (A) Jayaprakash Narayan
(B) S. M. Joshi
(C) Subhas Chandra Bose
(D) Rash Behari Bose
24. Who established the 'Swaraj Dal' in Bihar in 1923?
- (A) Shri Krishna Singh
(B) Jayaprakash Narayan
(C) Anugrah Narayan Sinha
(D) Rajendra Prasad
25. Which Bihar-based newspaper, edited by Sachchidananda Sinha, played a key role in spreading nationalist ideas?
- (A) Young India
(B) The Searchlight
(C) The Leader
(D) The Indian Mirror
26. Arrange the following dynasties in correct chronology from the code given below :
- I Kushan dynasty
II Shunga dynasty
III Gupta dynasty
IV Kanva dynasty
- Code :
- (A) III, II, IV, I
(B) II, IV, I, III
(C) IV, II, III, I
(D) III, I, IV, II
27. Which writer was a contemporary of Ghiyasuddin Tughlaq, Muhammad Bin Tughlaq and Firoz Tughlaq?
- (A) Shams-i-Siraj
(B) Amir Ali
(C) Ziauddin Barani
(D) Hasan Nizami



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

List-I		List-II	
a) Lord Linlithgow	1)	1944	
b) Lord Mountbatten	2)	1931	
c) Lord Willingdon	3)	1947	
d) Lord Wavell	4)	1936	

Code :

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

29. Given below are two statements :

Statement - I :

Ilbert Bill controversy happened in 1886.

Statement - II :

The first session of Indian National Congress was held at Bombay in 1885.

In the light of the above choose the correct answers from the options given below :

- (A) Statement I is False, Statement II is True
 (B) Both Statements I and II are False
 (C) Statement I is True, Statement II is False
 (D) Both Statements I and II are True

30. In Gupta period, who wrote 'Brihat-Samhita'?

- (A) Nagarjuna
 (B) Varahamihira
 (C) Brahmagupta
 (D) Aryabhata

31. Humayun - nama was written by Mughal emperor's daughter Gulbadan Begum. Who was the emperor?

- (A) Jahangir
 (B) Humayun
 (C) Akbar
 (D) Babar

32. Consider the following Gupta rulers and arrange them in correct chronological order :

- I Kumaragupta
 II Samudragupta
 III Skandagupta
 IV Chandragupta II Vikramaditya

Select the answer using the code given below :

Code :

- (A) II, I, IV, III
 (B) II, IV, I, III
 (C) III, II, I, IV
 (D) IV, II, I, III

33. In whose tenure did the Mathura School of Sculpture started?
- (A) Kushanas
(B) Licchavis
(C) Hunas
(D) Shungas
34. In 1880, Lord Lytton constituted the Strachey Commission under the chairmanship of Sir Richard Strachey. It was in which reference?
- (A) Foreign policy
(B) Famine
(C) Finance
(D) Education
35. During Balban's rule, where did the revolt of Tughril Khan took place?
- (A) Malwa
(B) Delhi
(C) Bengal
(D) Awadh
36. Which of the following is one of the major factors affecting the Indian Monsoon?
- (A) Stability of the Tropic of Cancer
(B) Himalayan Mountain range
(C) Height of the Western Ghats
(D) Mountain ranges near the Equator
37. Which one of the following passes is *not* located between Arunachal Pradesh and Myanmar?
- (A) Tuirial Pass
(B) Diphu Pass
(C) Moreh Pass
(D) Pangsau Pass
38. "Coffee Showers" are typically observed in which Indian state?
- (A) Karnataka
(B) Kerala
(C) Assam
(D) West Bengal
39. Arrange the following Union Territories in decreasing order of Sex Ratio as per Census 2011.
- 1) Andaman & Nicobar Islands
 - 2) Lakshadweep
 - 3) Puducherry
 - 4) Chandigarh
- Options:
- (A) 2-1-3-4
(B) 1-3-2-4
(C) 3-2-1-4
(D) 3-1-2-4

40. Which is the longest National Waterway in India, and which locations does it connect?
- (A) National Waterway-4 : Kakinada to Puducherry
- (B) National Waterway-2 : Sadiya to Dhubri
- (C) National Waterway-3 : Kollam to Kottapuram
- (D) National Waterway-1 : Haldia to Allahabad
41. What was the primary objective behind implementing the 'Green Revolution' in India?
- (A) To promote only export of crops
- (B) To ensure self-sufficiency in food grains in the country
- (C) Nationalization of agricultural land
- (D) Industrialization of rural areas
42. Panchpatmali mine is associated with which mineral?
- (A) Mica
- (B) Bauxite
- (C) Copper
- (D) Manganese
43. Which of the following is the largest contributor to water resources in India?
- (A) Glaciers and Snow
- (B) Groundwater
- (C) Lakes and Ponds
- (D) Rainwater
44. Which of the following soils is rich in Iron and Aluminium and is typically found in high rainfall areas?
- (A) Yellow Soil
- (B) Alluvial Soil
- (C) Laterite Soil
- (D) Black Soil
45. Which of the following regions are included in the Biodiversity Hotspots of India?
- (A) Western Ghats, Sundarbans, Sundaland, Satpura
- (B) Thar Desert, Eastern Ghats, Himalayas, Sundarbans
- (C) Himalayas, Western Ghats, Indo-Burma, Sundaland
- (D) Himalayas, Western Ghats, Indo-Burma, Sundarbans
46. Ribosomes are the centre for :-
- (A) Respiration
- (B) Protein Synthesis
- (C) Fat Synthesis
- (D) Photosynthesis
47. There are some plastics which when moulded once, cannot be softened by heating. These are called :
- (A) Thermoplastic Polyurethane (TPU)
- (B) High Density Polythene (HDPE)
- (C) Thermosetting plastics
- (D) Polyvinyl Chloride

48. What can be obtained by ultracentrifuge method in polymer chemistry?

- (A) Solution
- (B) Molecular mass
- (C) Precipitation
- (D) Concentration

49. Hydraulic brakes used in automobiles are a direct application of:

- (A) Torricelli Law
- (B) Archimedes
- (C) Bernoulli's theorem
- (D) Pascal's Law

50. Einstein was awarded the Nobel prize for :

- (A) Special theory of relativity
- (B) Explanation of Brownian motion
- (C) Photoelectric effect
- (D) General theory of relativity

51. The temperature at which Celsius and Fahrenheit's scale give the same reading is

- (A) 32°C
- (B) 40°C
- (C) 0°C
- (D) -40°C

52. A solid piece of iron sinks in water but floats in mercury because :

- (A) The density of iron is less than that of water as well as mercury.
- (B) The density of iron is more than that of water but less than mercury.
- (C) The average density of water and mercury is less than that of iron.
- (D) The density of iron is more than that of water as well as mercury.

53. The first hormone produced by Genetic Engineering is

- (A) Testosterone
- (B) Insulin
- (C) Estrogen
- (D) Thyroxin

54. Assertion (A) : LASER is used to measure distant object as moon.

Reason (R) : They are highly coherent source of light.

- (A) (A) is true but (R) is false.
- (B) (A) is false but (R) is true.
- (C) Both (A) and (R) are true, and (R) is the correct explanation of (A).
- (D) Both (A) and (R) are true, but (R) is not the correct explanation of (A).

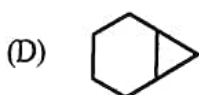
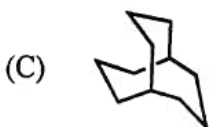
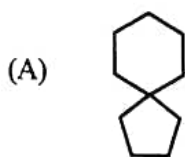
55. The Moho discontinuity marks the boundary between two layers of the earth.

- (A) Crust and lower mantle
- (B) Outer core and inner core
- (C) Mantle and lower mantle
- (D) Crust and upper mantle

56. Which ion is isoelectronic with Mg^{2+} ?
- (A) F^-
 (B) Ca^{2+}
 (C) Sr^{2+}
 (D) Be^{2+}
57. A pi-bond is formed by the overlap of
- (A) d and d orbital
 (B) s and p orbital
 (C) p and p orbital
 (D) s and s orbital
58. Which statement is true about aqua regia?
- I. Aqua regia is a mixture of HNO_3 and HCl , in a molar ratio of 3 : 1
 II. Nitrosyl chloride and nitrogen dioxide impart yellow/orange colour to aqua regia
 III. Aqua regia can dissolve gold and platinum
 IV. pH of aqua regia is > 7
- (A) I and III
 (B) I and II
 (C) II and III
 (D) I, II and III
59. An example of a metal cluster is
- (A) $\text{Mn}_2(\text{CO})_{10}$
 (B) $\text{Fe}_2(\text{CO})_9$
 (C) $\text{Co}_2(\text{CO})_8$
 (D) $\text{Fe}_3(\text{CO})_{12}$
60. The drug used for the treatment of stress and anxiety are called
- (A) Analgesics
 (B) Tranquilizers
 (C) Antipyretics
 (D) Antihistamines
61. The free radical intermediates can be easily detected by
- (A) IR spectroscopy
 (B) NMR spectroscopy
 (C) ESR spectroscopy
 (D) UV-Visible spectroscopy
62. When an egg is boiled and changes into solid content, there is
- (A) ΔG is negative
 (B) Decrease in disorder
 (C) No change in disorder
 (D) Increase in disorder
63. As per Arrhenius concept, the rate constant of a reaction depends on
- (A) Temperature
 (B) Initial concentration of the reactants
 (C) Time of reaction
 (D) All of these

64. An α -particle is
- (A) Hydrogen atom devoid of electrons
 - (B) Doubly ionized helium nucleus (He^{2+})
 - (C) Singly ionized helium nucleus (He^+)
 - (D) A helium isotope

65. Which among the following is not a bicyclic molecule?



66. Which of the following is a plant hormone?
- (A) Oestrogen
 - (B) Thyroxine
 - (C) Cytokinin
 - (D) Insulin

67. The brain is responsible for
- (A) Thinking
 - (B) Regulating heart beat
 - (C) Balancing the body
 - (D) All of the above

68. Which of the following is an incorrect match?

- (A) White revolution--milk
- (B) Oil seed--Fats
- (C) Apiculture--Fish
- (D) Layers--Eggs

69. In evolutionary terms, we have more in common with

- (A) a bacterium
- (B) a chimpanzee
- (C) a spider
- (D) a Chinese school boy

70. Which of the following is bacterial disease of cattle?

- (A) Anthrax
- (B) Cow pox
- (C) Foot and mouth disease
- (D) Rabies

71. Dr. M.S. Swaminathan is related to

- (A) Yellow revolution
- (B) Blue revolution
- (C) White revolution
- (D) Green revolution

72. Biofertilizers used in organic farming include :

- (A) Symbiotic and free living nitrogen fixing bacteria
- (B) Nitrogen fixing Cyanobacteria
- (C) Phosphate solubilising microorganisms
- (D) All of these

73. Lichens are good bioindicators for which component of air pollution?

- (A) CH_4 and CO_2
- (B) CO_2
- (C) SO_2
- (D) CO

74. The anthers are important because they contain

- (A) Pollen grains
- (B) Ovules
- (C) Pistils
- (D) Sepals

75. Organic farming does not include

- (A) Crop rotation
- ~~(B)~~ Chemical Fertilizers
- ~~(C)~~ Bio-pesticides
- (D) Bio-fertilizers

76. Look at the series : 5, 21, 13,, 15, 16
What number should fill in the blank ?

- (A) 19
- (B) 14
- ~~(C)~~ 17
- (D) 11

77. Look at the set of letters : ABC, DEF, ILO,..... What set of letters should fill in the blank?

- (A) PVX
- (B) PTX
- (C) PUZ
- (D) PSV

78. Look at the chain: X : Y, 6 : 8, 10 : -1, 18 : -28. Which numbers will come at the place of X and Y, respectively?

- (A) 4, 11
- (B) 4, 7
- (C) 4, 9
- ~~(D)~~ 4, 5

79. Find the wrong number in the series.
1, 2, 6, 15, 31, 56, 91

- ~~(A)~~ 91
- (B) 15
- (C) 56
- (D) 31

80. Let 'A' is father of 'C', 'D' is son of 'B', 'E' is brother of 'A', and 'C' is sister of 'D'. Then how is 'B' related to 'E'?

(A) Sister-in-Law
(B) Daughter
(C) Husband
(D) Brother-in-Law

81. On writing first half of English alphabets in reverse order, the letter 'E' will be _____th from the right.

(A) 20
(B) 18
(C) 19
(D) 17

82. What is the value of 'A' in the following table?

12	22	18	87
88	A	9	25
10	24	89	16
19	86	23	11

(A) 23
(B) 19
(C) 21
(D) 17

83. Let $P + Q$ means P is to South of Q; $P - Q$ means P is to the North of Q; $P \times Q$ means P is to the East of Q; $P \div Q$ means P is to West of Q. Then in the operation $P \times Q - R \div S$, S is in which direction with respect to P?

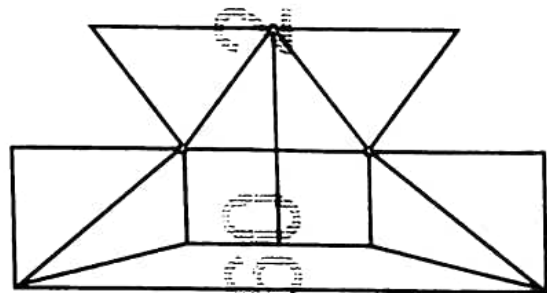
(A) North-West
(B) South-East
(C) North-East
(D) South-West

84. How many α 's are there with ' β ' before and after them in the sequence?

$\beta\alpha\beta\alpha\alpha\beta\beta\beta\alpha\beta\alpha\beta\alpha\beta\alpha\alpha\beta\beta\alpha\alpha\alpha\beta\beta\beta$
 $\alpha\beta\alpha\beta\alpha\beta\alpha\beta\alpha\beta$

(A) 9
(B) 7
(C) 8
(D) 6

85. What is the minimum number of straight lines required to make the following figure?



(A) 14
(B) 16
(C) 15
(D) 17

86. Which judgment first articulated the Basic Structure doctrine with respect to Indian constitution?
- (A) Maneka Gandhi v. Union of India
(B) Kesavananda Bharati v. State of Kerala
(C) Minerva Mills v. Union of India
(D) Golaknath v. State of Punjab
87. Which of the following is not mentioned in the Constitution of India?
- (A) Election Commission
(B) Finance Commission
(C) Planning Commission
(D) Inter-State Council
88. What is the tenure of the Chief Election Commissioner under the 2023 law?
- (A) 5 years or 65 years of age
(B) 5 years or 60 years of age
(C) 6 years or 60 years of age
(D) 6 years or 65 years of age
89. Which article of the Indian Constitution empowers Parliament to legislate on State List subjects in national interest?
- (A) Article 263
(B) Article 252
(C) Article 254
(D) Article 249
90. Which out of the following Acts replaced the Indian Penal Code, 1860?
- (A) Bharatiya Suraksha Sanhita
(B) Bharatiya Sakshya Adhiniyam
(C) Bharatiya Nyaya Sanhita
(D) Bharatiya Dand Sanhita
91. Which country is not a member of the QUAD grouping?
- (A) Russia
(B) Australia
(C) Japan
(D) India
92. I2U2 (India, Israel, UAE, USA) primarily focuses on:
- (A) Space technology
(B) Counterterrorism
(C) Economic development
(D) Military cooperation
93. India's major achievement in holding G20 summit 2023 was:
- (A) Creating BRICS+ alliance
(B) Removal of Russia from G20
(C) Establishing G20 military wing
(D) African Union's permanent membership



94. What does De-dollarization among BRICS countries mean?

- (A) Pegging trade in gold
- (B) Creating global cryptocurrency
- (C) Avoiding US dollar in trade
- (D) Ending IMF dependency

95. The Digital Personal Data Protection Act, 2023 does not provide :

- (A) Consent-based data use
- (B) Right of Data Principal
- (C) Data Protection Board
- (D) Right to data portability

96. Match List - I with List - II

List - I

List - II

- | | |
|------------|---------------------------------|
| a) NH - 48 | 1) Srinagar-Kanyakumari Highway |
| b) NH - 44 | 2) Delhi - Mumbai Expressway |
| c) NH - 27 | 3) Delhi - Kolkata Highway |
| d) NH - 19 | 4) Porbandar - Silchar Highway |

Select the correct answer using the codes given below :

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

97. In the context of famous Indian Bridges, which of the following pair is not correctly matched?

- (A) Coronation Bridge : West Bengal
- (B) Bogibeel Bridge : Assam
- (C) Bandra - Worli Sea Link : Maharashtra
- (D) Godavari Arch Bridge : Tamil Nadu

98. Which among the following Indian Railway link is not Mountain Railway?

- (A) Nilgiri 'Toy Train' Journey of Railway
- (B) Matheran narrow - gauge Railway
- (C) Kanyakumari to Trivandrum Railway
- (D) Kalka - Shimla Railway

99. In the context of Indian Airports, which one of the following pair is correct?

- (A) Sardar Vallabhbhai Patel International Airport - Gujarat
- (B) Cochin International Airport - Tamil Nadu
- (C) Chaudhary Charan Singh International Airport - Bihar
- (D) Netaji Subhas Chandra Bose International Airport - Kerala

100. The Railway station with the highest number of platform in 2023 in India is :

- (A) Howrah Junction
- (B) Kanpur Central Junction
- (C) Hyderabad Junction
- (D) New Delhi Junction

