1. Which is an accessory element to make chlorophyll in plants?
(A) Calcium
(B) Magnesium
(C) Manganese
(D) Chlorine

2. Speed of the sound is maximum in which of the following medium?
(A) Liquid
(B) Gas
(C) Solid
(D) All medium have same speed

3. Kolar gold mines are located in which of the following State?
(A) Andhra Pradesh
(B) Kerala
(C) Karnataka
(D) Tamilnadu

4. Ashok Mehta Committee is related to which of the following?
(A) Centre – State relationship
(B) Banking reforms
(C) Economic reforms
(D) Panchayati raj

5. Find out the odd one.
(A) (8, 25)
(B) (19, 56)
(C) (13, 40)
(D) (22, 67)

6. Which chemical is present in nail polish remover?
(A) Ethyl alcohol
(B) Methyl alcohol
(C) Acetone
(D) Benzene

7. The halogen which is most reactive is —
(A) Chlorine
(B) Fluorine
(C) Bromine
(D) Iodine

8. Which of the following contains maximum percentage of nitrogen?
(A) Ammonium sulphate
(B) Ammonium carbonate
(C) Ammonium cyanide
(D) Urea

9. Influenza disease is caused by —
(A) Bacteria
(B) Algae
(C) Fungi
(D) Virus

10. The final product of photosynthesis is —
(A) Carbohydrates
(B) Oxygen
(C) Carbon dioxide
(D) Water

11. In a class of 35 students Ram got 7th Rank from last. What is his Rank from start?
(A) 28
(B) 27
(C) 29
(D) 30

12. If yesterday was Thursday then when will be Sunday?
(A) Tomorrow
(B) Day after tomorrow
(C) Three day after today
(D) None of these

13. Mohan starts from his house and goes 4 km in north direction. then turns Right and goes 2km. Further turns Right 6 km and then goes 2km. Right. Find the distance from his house?
(A) 2 km
(B) 3 km
(C) 1 km
(D) 4 km

14. Find out the odd one.
(A) 8
(B) 27
(C) 100
(D) 64

15. A and B are Brothers. E is the daughter of F. F is the wife of B. What is the relation of E with A?
16. Chose the option which belongs to given set given set (3, 9, 27)
(A) (2, 8, 26)
(B) (2, 4, 8)
(C) (4, 10, 30)
(D) (5, 25, 100)

17. T is taller than only S. R is taller than P. P is taller than S. Who is second tallest?
(A) T
(B) R
(C) P
(D) S

18. Which is the longest distance travelling train in India?
(A) Himsagar Express
(B) Kanyakumari Express
(C) Vivek Express
(D) Deccan Express

19. Who shifted the capital of Mughal empire from Agra to Delhi?
(A) Akbar
(B) Jahangir
(C) Shahjahan
(D) Humayun

20. If the difference between SI and CI for 2 years is 4 Rs. and Principal is 2500 Rs. then find out the rate of Interest?
(A) 3%
(B) 4%
(C) 5%
(D) 8%

21. The area of Chola dynasty was —
(A) Coromandel coast and some area of Deccan
(B) Malabar area
(C) Vijaynagar area
(D) Area of Deccan plateau

22. The radius of hemisphere is 7 cm. find the total surface area of hemisphere?
(A) 442

23. A can do a piece of work in 10 days and B can do same piece of work in 5 days they start together two day B left the work then in how many days A complete the remaining work?
(A) 3
(B) 4
(C) 2
(D) 2.5

24. Sachin is younger than Ram by 2 years if their ages are in the respective ratio of 7 : 9, how old Ram is?
(A) 14
(B) 18
(C) 27
(D) 9

25. Simplify -
12.05 × 5.4 ÷ 0.6 – .45
(A) 118
(B) 112
(C) 108
(D) 106

26. What is the full form of SIDBI?
(A) Small Industrial Development Bank of India
(B) Small Institutional Development Bank of India
(C) Small Industries and Department of Bank of India
(D) Small Industries Development Bank of India

27. Where is Indian Diamond Institute situated?
(A) Kolkata
(B) Ahmedabad
(C) Surat
(D) Jodhpur

28. 8, 12, 24, 60, ?, 630
(A) 110
(B) 180
(C) 170
(D) 160
29. Who decides whether a bill is a money bill or not?
(A) President
(B) Prime Minister
(C) Finance Minister
(D) Speaker of the LokSabha

30. BOATS : HGZLY : : STREAM : ?
(A) HGIVZN
(B) NZVJGH
(C) NZVIGH
(D) NZIVRK

31. 8, 52, 13, 47, 18, 42, 23, ?, 28
(A) 33
(B) 37
(C) 39
(D) 36

32. 8, 27, 64, ?, 216, 343
(A) 97
(B) 105
(C) 125
(D) 107

33. When the Speaker of the LokSabha vacates his post?
(A) When LokSabha is dissolved
(B) When president tells to do so
(C) After the constitution of the next LokSabha
(D) When RajyaSabha passes resolution in this regard

34. List price of an article at a showroom is Rs. 2000 and it is being sold at successive discounts of 20% and 10%. Its net selling price will be.
(A) 1400
(B) 1440
(C) 1520
(D) 1700

35. In the first five-year plan which sector has been given highest priority?
(A) Agriculture
(B) Industries
(C) Employment generation
(D) Infrastructure development

36. Who was the first election commissioner of India?
(A) G V Mavlankar
(B) Hukum Singh
(C) SukumarSen
(D) M A Ayangar

37. How many times 2 comes between 1 to 100?
(A) 19
(B) 18
(C) 20
(D) 21

38. Who propounded the ‘Drain of Wealth’ theory?
(A) DadabhaiNaoroji
(B) G K Gokhale
(C) LalaLajpatRai
(D) SurendraNath Banerjee

39. Which one of the following is correctly matched?
(A) Ellora – Shakas
(B) Meenakshi Temple – Pallavas
(C) Khajuraho – Chandelas
(D) Mahabalipuram – Rashtrakutas

40. If radius of circle is increased by 10% then find the percent increment in area of circle?
(A) 10%
(B) 11%
(C) 20%
(D) 21%

41. Shahjahan built Moti Masjid in which city?
(A) Jaipur
(B) Agra
(C) Delhi
(D) Lahore

42. Vasco da gamma was the inhabitant of —
(A) Holand
(B) America
(C) France
(D) Portugal

43. If product of two numbers is 2160 and their HCF is 6 then find the ratio of HCF to LCM?
(A) 1 : 60
44. Which of the following is associated to personal liberty?
(A) Mandamus
(B) Certiorari
(C) Habeus corpus
(D) Prohibition

50. On which date Indian Army Day is celebrated?
(A) 12 January
(B) 16 January
(C) 15 January
(D) 26 January

45. Which is the capital of Sudan?
(A) Baku
(B) Khartoum
(C) Male
(D) Rwanda

51. Bokaro and Bhilai are famous for which of the following industries?
(A) Iron and Steel
(B) Chemical
(C) Glass
(D) Cotton Textile

46. Which of the following State became the first State to make gender education compulsory at graduate level?
(A) Andhra Pradesh
(B) Karnataka
(C) Tamilnadu
(D) Telangana

52. Railway is included in which list of the Indian Constitution?
(A) Union list
(B) State list
(C) Residuary list
(D) Concurrent list

47. Which variety of coal is known as brown coal?
(A) Peat
(B) Lignite
(C) Bituminous
(D) Anthracite

53. If the internal angle of a polygon is 144°, then find the external angle of same polygon?
(A) 10°
(B) 36°
(C) 18°
(D) 54°

48. Nati is the folk dance of which of the following States?
(A) Uttar Pradesh
(B) Andhra Pradesh
(C) Himachal Pradesh
(D) Madhya Pradesh

54. Fill the blanks.
\[ a \_ a \_ b \_ a \_ b \_ b \]
(A) a b b a b
(B) b a b a b
(C) bb a a b
(D) a b a b a

49. What is the new target of solar power generation by 2022 set by the central government?
(A) 20,000 MW
(B) 10,000 MW
(C) 50,000 MW
(D) 1,00,000 MW

55. Fill the blanks.
\[ c \_ c \_ e \_ d \_ e \]
(A) ddec
(B) eded
(C) dedc
(D) edcd

56. Which is leap year?
(A) 1800
(B) 1900
(C) 1600
(D) All

57. Find the odd one.
3, 5, 7, 9, 11, 13
(A) 7
(B) 9
58. Find the odd one.
   (A) Light - heavy
   (B) Big - small
   (C) Male - female
   (D) Crime – Allegation

59. Find the odd one.
   (A) Tongue
   (B) Nose
   (C) Teeth
   (D) Ear

60. Plant : Tree : : Girl : ?
   (A) Lady
   (B) Wife
   (C) Child
   (D) Male

61. Food : Hunger : : Sleep : ?
   (A) Dream
   (B) Tiredness
   (C) Night
   (D) Health

62. Ram sells one article making 20% profit on selling price and second article on making 20% loss on the same selling price. Find the percentage profit or loss on whole trade.
   (A) 4% profit
   (B) 4% loss
   (C) 8% profit
   (D) No loss - No profit

66. In what ratio must tea at Rs. 62 per kg be mixed with tea at Rs. 72 per kg so that the mixture must be worth Rs. 65 per kg?
   (A) 3 : 7
   (B) 7 : 3
   (C) 4 : 3
   (D) 3 : 4

67. Which of the following area Mrinalini Sarabhai was associated to?
   (A) Music
   (B) Classical dance
   (C) Politics
   (D) Literature

68. Which city is the first global telecom city of India?
   (A) Hyderabad
   (B) Bangalore
   (C) Chennai
   (D) New Delhi

69. Changing of water vapour into water is known as —
   (A) Sublimation
   (B) Evaporation
   (C) Excretion
   (D) Condensation

70. If \(0.13 \div p^2 = 13\) then \(p\) equals
   (A) .01
   (B) 0.1
   (C) 10
   (D) 13

71. When India Post started speed post service to compete with the courier service?
   (A) 1985
   (B) 1987
   (C) 1986
   (D) 1988
72. If the average of five consecutive even numbers is 26 then find the sum of first and last number?
(A) 52
(B) 50
(C) 54
(D) 56

73. Vessel A contains Acid & Water in 5 : 2 and vessel B contains Acid & Water in 8 : 5 then in which ratio both vessels A and B mixed to get a new mixture having the ratio of 9 : 4.
(A) 7 : 2
(B) 2 : 7
(C) 7 : 4
(D) 4 : 7

74. Which of the following country is known as the Country of Pagoda?
(A) Malaysia
(B) Myanmar
(C) Mauritius
(D) Bhutan

75. In which of the following schedule of the Indian Constitution the provision of panchayati raj is being given?
(A) Schedule 9
(B) Schedule 10
(C) Schedule 11
(D) Schedule 12

76. In which year for the first time estate tax has been imposed in India?
(A) 1957
(B) 1951
(C) 1977
(D) 1980

77. Which of the following act replaced FERA?
(A) PETA
(B) FEMA
(C) SAFTA
(D) NAFTA

78. What are planktons?
(A) Forest
(B) Comet
(C) Organism which is food to aquatic animals
(D) Artificial satellite

79. The difference between Indian standard time and Greenwich mean time is —
(A) 5 hours 30 minutes
(B) 4 hours 30 minutes
(C) 5 hours 20 minutes
(D) 6 hours 30 minutes

80. The silver currency 'Tanka' of medieval period was started by –
(A) Allauddin Khilji
(B) Qutabuddin Aibak
(C) Itutmish
(D) Balban

81. In which year Kakori conspiracy case took place?
(A) 1920
(B) 1925
(C) 1928
(D) 1930

82. The Jain Acharya who was honoured by Akbar was –
(A) Yashobhadra
(B) Pushpdanta
(C) Harivijay Suri
(D) Chandraprabh Suri

83. What is MRI?
(A) Magnetic resonance in Intestine
(B) Magnetic Record of Intestine
(C) Magnetic Resonance Imaging
(D) Magnetic Record Investigation

84. The chief constituent of cotton is –
(A) Protein
(B) Glycerine
(C) Fatty Acid
(D) Cellulose

85. Which Delhi sultan imposed Jizya tax on Brahmins?
(A) Balban
(B) Firoz Tughlaq
(C) Alauddin Khilji
(D) Muhammad Bin Tughlaq
86. Which of the following is the highest peak of south India?
(A) Nilgiri  
(B) Anamudi  
(C) Doddabetta  
(D) Mahendragiri

87. Who was the Mughal emperor of India when East India company was established in London?
(A) Akbar  
(B) Jahangir  
(C) Shahjahan  
(D) Aurangzeb

88. Which of the following is not a Kharif Crop?
(A) Groundnut  
(B) Mustard  
(C) Maize  
(D) Cotton

89. Which of the following river is known as biotic desert due to pollution?
(A) Ganga  
(B) Yamuna  
(C) Kosi  
(D) Damodar

90. Percentage of water in an adult human body is –
(A) 75%  
(B) 65%  
(C) 55%  
(D) 30%

91. Itai-Itai disease is caused by –
(A) Mercury  
(B) Cadmium  
(C) Glass  
(D) Nickel

92. In any language, RAM is coded as IZN, NOR is coded as MLI; then how TOM will be coded in that language?
(A) NLJ  
(B) NLG  
(C) GLN  
(D) JLN

93. If the perimeter of a rectangle is increased by 20%, by how much percent its area will increase?
(A) 20%  
(B) 44%  
(C) 40%  
(D) None of these

94. If ‘black’ is called ‘red’, ‘red’ is called ‘yellow’, ‘yellow’ is called ‘green’, ‘green’ is called ‘white’ and ‘white’ is called ‘orange’; then what is the colour of blood?
(A) Red  
(B) Green  
(C) White  
(D) Yellow

95. Choose the odd one out:
(A) Meghalaya  
(B) Manipur  
(C) West Bengal  
(D) Nagaland

96. If INDIA is written as 125, how BHUTAN will be written in that language?
(A) 126  
(B) 180  
(C) 216  
(D) 251

97. A man goes 4 km east and after that he turns right and goes 5 km. Then he turns left and moves another 5 km. Which direction is he facing now?
(A) East  
(B) West  
(C) North  
(D) North-east

98. If in any language ENTRY is coded as 12345 and STEADY is coded as 931785, then how ARREST will be coded in that language?
(A) 744589  
(B) 166479  
(C) 744193  
(D) 745194
99. The diagonals of a rhombus are 30 cm and 40 cm long. What will be the side of the rhombus?
(A) 25 cm
(B) 30 cm
(C) 20 cm
(D) 35 cm

100. If ‘+’ means ‘÷’, ‘–’ means ‘×’, ‘×’ means ‘+’ and ‘÷’ means ‘–’ then find out the value of 36 + 3 × 4 ÷ 2 – 3?
(A) 39
(B) 24
(C) 34
(D) 29

**Answers**

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**Hints And Solutions**

5. All the other pairs follow the pattern of *3+1

11. Required rank = 35+1-7 = 29

12. Today is Friday; hence day after tomorrow will be Sunday.

14. All the other numbers are the cubes of a number.

17. Tallness in descending order R P, S, T