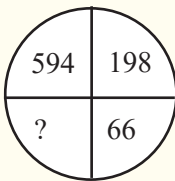


ROY'S INSTITUTE OF COMPETITIVE EXAMINATION

**WEST BENGAL POLICE RECRUITMENT BOARD
PRELIMINARY EXAMINATION FOR THE POST OF
SUB - INSPECTOR (UNARMED & ARMED BRANCH)
IN WB POLICE 2024**

1. Two statements are given. Based on those which of the given conclusions can definitely be drawn?
Statements:
(a) Authors are learned people.
(b) Some doctors are authors.
Conclusions:
(I) Some doctors are learned people.
(II) Some learned people are doctors.
(A) Only (II) follows.
(B) Neither (I) nor (II) follows.
(C) Only (I) follows.
(D) Both (I) and (II) follow.
2. The longest Continental Railway in the world is
(A) Canadian Pacific Railway
(B) Canadian National Railway
(C) Trans-Atlantic Railway
(D) Trans-Siberian Railway
3. Whom of the following posts there is no provision in the Constitution of India for the impeachment?
(A) The Vice-President
(B) The Chief Justice of a High Court
(C) The Governor
(D) The Chief Justice of India
4. How many minutes for each degree of longitude does the local time of any place vary from the Greenwich time?
(A) 8
(B) 2
(C) 6
(D) 4
5. In an examination it is required to get 460 of the aggregate marks to pass. A student gets 368 marks and is declared fail by 8% marks. What are the maximum aggregate marks a student can get?
(A) Can not be determined
(B) 1275
(C) 1150
(D) 1350
6. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?
ab ——— baa ——— ab ———
(A) aaaaa
(B) baabb
(C) aabaa
(D) aabab
7. The terms 'Bull and Bear' are used in
(A) Income Tax Department
(B) Planning Commission
(C) Sales Tax Department
(D) Stock Exchange
8. What would be the simple interest obtained on an amount of Rs. 7055 at the rate of 15% per annum for 6 years? (in rupees)
(A) 6469
(B) 6349.50
(C) 6689.50
(D) 6529

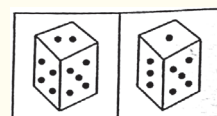
Disclaimer : Every effort has been made to ensure that the answer keys provided herein are accurate to the best of our understanding. These are for reference purpose only and should not be considered as the official answers. The purpose is to help the examinees to analyse their performance in competitive examinations.

9. 10% discount and then 20% discount in succession is equivalent to total discount of
(A) 24%
(B) 30%
(C) 15%
(D) 28%
10. If difference between Compound Interest and Simple Interest on a certain sum of money for 2 years @ 5% p.a. is Rs. 122, what is the sum of money? (in rupees)
(A) 48,000
(B) 48,800
(C) 46,800
(D) 45,000
11. Vitamin B₁₂ is most useful for combating
(A) Rickets
(B) Anaemia
(C) Night blindness
(D) Goitre
12. If the numerator of a fraction is increased by 200% and the denominator of the fraction is increased by 120%, the resultant fraction is $\frac{4}{11}$. What is the original fraction?
(A) $\frac{6}{11}$
(B) $\frac{4}{15}$
(C) $\frac{5}{12}$
(D) $\frac{3}{11}$
13. What number will come in place of the '?' mark?
(A) 44
(B) 22
(C) 1672
(D) 574
- 
14. If the first three letters of English alphabet are reversed and so on ... and the last two letters are reversed, then which letter will be 19th letter to the right of 17th letter to the left of 5th letter from right?
(A) X
(B) W
(C) V
(D) B
15. For determination of the age of which of the following is 'Carbon-dating' method used?
(A) Mountains
(B) Fossils
(C) Trees
(D) Rocks
16. Who of the following was the UN Secretary-General at the time of starting of 'Operation Sindoor'?
(A) Antonio Guterres
(B) Trygve Lie
(C) U Thant
(D) Dag Hammarskjöld
17. Which of the following was the official court language during Akbar's reign?
(A) Turki
(B) Arabic
(C) Urdu
(D) Persian
18. If Suman celebrated his victory day on Tuesday, 5th January, 1965, when will he celebrate his next victory on the same day?
(A) 5th January, 1973
(B) 5th January, 1970
(C) 5th January, 1972
(D) 5th January, 1971
19. Who was the First Indian Woman Winner of 'Miss World' award?
(A) Sushmita Sen
(B) Reita Faria
(C) Lara Datta
(D) Aishwarya Rai

20. $-[\{\sqrt{324} - \sqrt{256}\} \times -4.5] = ?$
(A) 9
(B) -9
(C) -8
(D) 8
 21. Father's age is 30 years more than the son's age. Ten years hence the father's age will become three times the son's age that time. What is son's present age in years?
(A) Can not be determined
(B) 8
(C) 5
(D) 7
 22. The term 'Brown Air' is used for
(A) Sulphurous smog.
(B) Photochemical smog.
(C) Industrial smog.
(D) Acid fumes.
 23. The velocity of sound in air (under normal condition) is
(A) 3320 m/sec
(B) 30 m/sec
(C) 332 m/sec
(D) 320 m/sec
 24. Vinod introduces Vishal as the son of the only brother of his father's wife. How is Vinod related to Vishal?
(A) Uncle
(B) Cousin
(C) Son
(D) Brother
 25. Ramen drove from home to a neighbouring town at the speed of 50 km/hr. and on his return journey, he drove at the speed of 45 km/hr. and also took an hour longer to reach home. What distance did he cover in each way? (in km.)
(A) Can not be determined
(B) 450
(C) 500
(D) 225
 26. Three of the following four groups of letters are alike in some way while one is different. Find out which is different:
(A) NSWX
(B) EJNO
(C) KPSU
(D) HMQR
 27. In 1939, Subhash Chandra Bose was elected as President of the Congress Party defeating
(A) V. B. Pattel
(B) Maulana Abul Kalam Azad
(C) Jawaharlal Nehru
(D) Patabhi Sitharamayya
 28. The weight of a body at the Centre of Earth is
(A) twice of the weight at the earth surface.
(B) $\frac{1}{2}$ of the weight at the earth surface.
(C) zero.
(D) infinite.
 29. The most abundant element in the earth's atmosphere is
(A) Nitrogen
(B) Carbon dioxide
(C) Oxygen
(D) Hydrogen
 30. Which one of the given responses would be a meaningful order of the following?
1. Sentence 2. Word
3. Chapter 4. Phrase
5. Paragraph
(A) 1, 3, 2, 4, 5
(B) 2, 1, 4, 3, 5
(C) 4, 3, 1, 2, 5
(D) 3, 5, 1, 4, 2
 31. Who was the First Chief Election Commissioner of India?
(A) Mrs. V. S. Rama Devi
(B) Sukumar Sen
(C) M. S. Gill
(D) T. N. Seshan

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32. Pomology deals with
 (A) study of fossils.
(B) study of fruits.
 (C) study of animal behaviours.
 (D) study of teeth.
33. Select the related letters from the given alternatives:
 ABCD : WXYZ :: EFGH : ?
 (A) WXYZ
(B) STUV
 (C) VUTS
 (D) ZYXW
34. Which of the following is the world's oldest Capital City?
 (A) Accra
 (B) Canberra
 (C) Oslo
(D) Damascus
35. In a code language PARENT is written as BDFGJK and CHILDREN is written as MOXQUFGJ, how is REPRINT written in the code?
(A) FGBFXJK
 (B) FGBFXGD
 (C) FGBUXJK
 (D) BGBFXJK
36. Which of the following rivers did not merge into the Bay of Bengal?
 (A) Krishna
 (B) Godavari
 (C) Mahanadi
(D) Narmada
37. Which of the following Constitutional Amendments of India lowered the voting age from 21 years to 18 years for the Lok Sabha and Assembly Elections of India?
 (A) 34th
(B) 61st
 (C) 42nd
 (D) 24th
38. Santosh Trophy is associated with the game of
(A) Football
 (B) Cricket
 (C) Tennis
 (D) Badminton
39. 729 ml of a mixture contains milk and water in the ratio 7 : 2. How much more water is to be added to get a new mixture containing milk and water in the ratio 7 : 3? (in ml)
 (A) 52
 (B) 60
 (C) 71
(D) 81
40. The memory of a computer is commonly expressed in terms of Kilobytes or Megabytes. A byte is made up of
 (A) 2 decimal digits.
(B) 8 binary digits.
 (C) 2 binary digits.
 (D) 8 decimal digits.
41. The volume of which of the following materials decreases when it is heated from 0°C to 4°C?
 (A) Mercury
 (B) Air
(C) Water
 (D) Copper
42. A can complete a piece of work in 12 days. A and B together can complete the same piece of work in 8 days. In how many days can B alone complete the same piece of work?
 (A) 18
(B) 24
 (C) 28
 (D) 15
43. Study the two different positions of a cube given below with dots from 1 to 6 marked on its faces. Find out how many dots are there on the face opposite to that containing 4 dots.

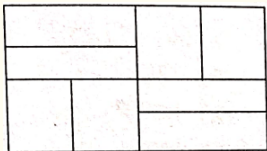


44. Which one among the following is a deep-water all weather seaport in India?
(A) Visakhapatnam
 (B) Kandla
 (C) Paradeep
 (D) Marmugao
45. The average of 4 consecutive even numbers A , B , C and D is 99. What is the product of B and D ?
(A) 9996
 (B) 9948
 (C) 9890
 (D) 9796
46. Which of the following chemicals is useful in photography?
 (A) Sodium Chloride
 (B) Aluminium Hydroxide
(C) Silver Bromide
 (D) Potassium Nitrate
47. Which of the following rivers does not originate in Indian Territory?
 (A) Mahanadi
 (B) Chenab
(C) Brahmaputra
 (D) Ravi
48. If the fractions $\frac{5}{7}$, $\frac{7}{9}$, $\frac{9}{11}$, $\frac{11}{13}$ and $\frac{13}{17}$ are arranged in ascending order of their values, which one will be the second?
 (A) $\frac{7}{9}$
(B) $\frac{13}{17}$
 (C) $\frac{9}{11}$
 (D) $\frac{11}{13}$
49. 48% of a number is 1248. What is the number?
(A) 2600
 (B) 2850
 (C) 2450
 (D) 2700
50. During the reign of whom of the following Ibn Batutah visited India?
(A) Muhammad bin Tughluq
 (B) Alauddin Khilji
 (C) Sher Shah Suri
 (D) Ghiyasuddin Tughluq
51. Which day is celebrated as 'World Health Day'?
 (A) April 18
 (B) April 15
 (C) April 23
(D) April 7
52. $\frac{3}{5}$ of $\frac{8}{9}$ of $\frac{6}{7}$ of 665 = ?
 (A) 308
 (B) 268
 (C) 326
(D) 304
53. In the context of their formation, which of the following types of rock is the most ancient?
 (A) Sedimentary
(B) Igneous
 (C) Plutonic
 (D) Metamorphic
54. A, B and C divide an amount of Rs. 9915 amongst themselves in the ratio of 3 : 5 : 7 respectively. What is C's share in the amount? (in rupees)
 (A) 7627
(B) 4627
 (C) 6627
 (D) 5627

55. Which one of the following is not a multi-user operating system?
 (A) Windows-2000
 (B) UNIX
(C) MS-DOS
 (D) Windows-XP
56. The Chairman of Rajya Sabha is
 (A) elected by the members of Rajya Sabha.
 (B) nominated by the President.
 (C) elected by Parliament and the legislatures of the states jointly.
(D) elected by the two houses of Parliament.
57. Which country is known as 'Land of Thousand Islands'?
 (A) Netherlands
(B) Indonesia
 (C) Russia
 (D) Malaysia
58. An element common to all acids is
 (A) Chlorine
 (B) Oxygen
 (C) Sulphur
(D) Hydrogen
59. The red blood cells are formed in the
(A) Bone marrow
 (B) Heart
 (C) Lymph nodes
 (D) Liver
60. Which comet appears every 76 years?
 (A) Alpha Centauri
(B) Halley's
 (C) Donat's
 (D) Holme's
61. Select the missing number from the given responses:
 121, 144, 289, 324, 529, 576, ____?
 (A) 784
 (B) 961
 (C) 900
(D) 841
62. The clear sky looks blue because of
(A) scattering of light.
 (B) reflection of light.
 (C) diffraction of light.
 (D) refraction of light.
63. Select the missing number from the given responses:

6	5	3	10
2	8	?	4
4	6	3	8
5	9	15	3

(A) 4
 (B) 6
 (C) 7
 (D) 5
64. Which of the following is not a Union Territory of India?
 (A) Puducherry
 (B) Dadra & Nagar Haveli and Daman & Diu
 (C) Lakshadweep
(D) Nagaland
65. Find out the questioned number:
 $6 : 5 :: 8 : ?$
 (A) 12
 (B) 2
(C) 6
 (D) 4
66. Who was behind publishing the First Newspaper in India?
 (A) Harish Chandra Mukherjee
 (B) Deen Bandhu Mitra
(C) James Augustus Hicky
 (D) Hem Chandra Kar
67. Select the related word from the given alternatives:
 SAFE : SECURE :: PROTECT : ?
 (A) CONSERVE
(B) GUARD
 (C) SURE
 (D) LOCK

68. Grammy Award is associated with
 (A) Sports
(B) Music
 (C) Science
 (D) Literary works
69. Mahatma Gandhi was the editor of
 (A) Modern Review
(B) Young India
 (C) Seminar
 (D) National Herald
70. Which one of the following is the hottest planet?
 (A) Mercury
(B) Venus
 (C) Saturn
 (D) Mars
71. Which of the following instruments measures high temperature?
 (A) Pyrheliometer
(B) Pyrometer
 (C) Thermostat
 (D) Pyknometer
72. Which of the following awards is given by UNESCO to those who put their efforts to popularise use of science in life?
 (A) Kalidas Samman
 (B) Magsaysay Award
(C) Kalinga Award
 (D) Booker Prize
73. $\frac{0.4 \times 1.5}{0.2} = ?$
 (A) 0.2
(B) 3
 (C) 0.3
 (D) 2
74. If MEKLF is coded as 91782 and LLLJK as 88867, then how can IGHED be coded?
 (A) 75632
 (B) 97854
(C) 53410
 (D) 64512
75. If A is 50% larger than C and B is 25% larger than C, then A is what percentage larger than B?
 (A) 75%
(B) 20%
 (C) 50%
 (D) 25%
76. How many rectangles are there in the given figure?

 (A) 18
(B) 21
 (C) 22
 (D) 19
77. Nalanda University was associated with
 (A) Kanishka
 (B) Ashoka
(C) Harshavardhana
 (D) Chandragupta Vikramaditya
78. While the group photo of a family was taken, the father was found to be sitting to the left of the son and right to the grandfather. Mother was sitting to the right of her daughter but left to grandfather. Who was occupying the central place?
 (A) Mother
 (B) Son
 (C) Father
(D) Grandfather
79. If $9408 \div \sqrt{?} = 336$, what will come in place of the question mark (?)?
 (A) 26
(B) 784
 (C) 28
 (D) 676
80. Select the related number from the given alternatives:
 $16 : 56 :: 32 : ?$
 (A) 128
 (B) 96
 (C) 120
(D) 112

81. Find the missing number in the series given below:
30, _____, 390, 784, 786
(A) 75
(B) 328
(C) 128
(D) 228
82. Which country gifted Statue of Liberty to America?
(A) Ukraine
(B) France
(C) Poland
(D) Japan
83. Which is the highest gallantry award in India?
(A) Vir Chakra
(B) Param Vishishta Seva Medal
(C) Kirti Chakra
(D) Param Vir Chakra
84. A, B and C enter into a partnership. A invests some amount in the beginning. B invests double the amount after 6 months and C invests thrice the amount invested by A after 8 months. They earn a profit of Rs. 45,000 at the end of the year. What is C's share in the profit? (in rupees)
(A) 18,000
(B) 15,000
(C) 12,000
(D) 25,000
85. A tap can empty a water tank in 30 minutes. A second tap can empty it in 45 minutes. If both the taps operate simultaneously, how much time is needed to empty the tank? (in minutes)
(A) 18
(B) 36
(C) 14
(D) 15
86. The birthday of which of the following leaders is celebrated as 'Teachers' Day' in India?
(A) Dr. Rajendra Prasad
(B) Dr. C. Rajagopalachari
(C) Dr. S. Radhakrishnan
(D) Lala Lajpat Rai
87. If '+' stands for multiplication, '-' stands for division, '×' stands for addition, '÷' stands for subtraction, then which one of the following equation is correct?
(A) $12 \times 5 + 4 - 5 \div 4 = 20$
(B) $12 + 5 - 4 \times 5 \div 4 = 16$
(C) $12 \div 5 - 4 \times 5 + 4 = 22$
(D) $12 \div 5 + 4 - 5 \times 4 = 18$
88. Commercially, Sodium bicarbonate is known as
(A) Soda Ash
(B) Washing Soda
(C) Bleaching Powder
(D) Baking Soda
89. The respective land masses of India and Sri Lanka are connected by which of the following?
(A) Palk strait
(B) Bass strait
(C) Malacca strait
(D) Bering strait
90. The headquarters of United Nations is at
(A) Washington DC
(B) Geneva
(C) New York
(D) Paris
91. The profit after selling a pair of trousers for Rs. 863 is the same as the loss incurred after selling the same pair of trousers for Rs. 631. What is the cost price of the pair of trousers? (in rupees)
(A) 800
(B) 750
(C) Can not be determined
(D) 747

92. The product of two consecutive prime numbers is 3127. What is the greater number?
 (A) 53
 (B) 61
(C) 59
 (D) 47
93. The average age of a father and his son is 22 years. The ratio of their age is 19 : 3 respectively. What is the father's present age in years?
 (A) 48
(B) 38
 (C) 30
 (D) 44
94. What is the least number to be added to 3333 to make it a perfect square?
 (A) 57
(B) 31
 (C) 78
 (D) 24
95. In a joint family, there are father, mother, three married sons and one unmarried daughter. Of the sons, two have two daughters each and one has a son. How many female members are there in the family?
(A) 9
 (B) 12
 (C) 8
 (D) 6
96. Who coined the name 'Pakistan'?
(A) Chowdhury Rehmat Ali
 (B) Mohammad Ali Jinnah
 (C) Liaquat Ali Khan
 (D) Fazlul Haque
97. In a row of trees, a tree is 7th from left end and 14th from the right end. How many trees are there in the row?
 (A) 19
 (B) 18
 (C) 21
(D) 20
98. Five girls M, N, O, P and Q are standing in a row. P is on the right of Q. N is on the left of Q but is on the right of M. P is on the left of O. Who is standing on the extreme left?
 (A) O
 (B) Q
 (C) P
(D) M
99. A train moving at a speed of 36 km/hr. crosses a standing man in 10 seconds. It will cross a platform of 55 meters long in _____ seconds.
(A) $15\frac{1}{2}$
 (B) $5\frac{1}{2}$
 (C) 7
 (D) 6
100. Rohan walks a distance of 3 kms towards North, then turns to his left and walks for 2 kms. He again turns left and walks 3 kms. At this point he turns to his left and walks for 3 kms. How many kms is he from the starting point?
(A) 1
 (B) 5
 (C) 2
 (D) 3