

English

Directions—(Q. 1–5) Each question gives a sentence with a part of the sentence underlined that may contain an error. Four alternatives are given for the underlined portion. Choose the best alternative from the given options.

1. The professor asked her when will you submit her thesis.
 (A) when will you submit her thesis
 (B) when she would have submit her thesis
 (C) when you will have submitted your thesis
 (D) when she would submit her thesis
2. She only dances when there is no one present.
 (A) She only dances (B) She dances only
 (C) She dances solely (D) She solely dances
3. Was the letter written with pencil or with ink ?
 (A) with pencil or with ink
 (B) with pencil or ink
 (C) in pencil or in ink
 (D) in pencil or ink
4. I would have told a lie if I ever said that I liked you.
 (A) I was telling a lie
 (B) I have been telling a lie
 (C) I would have been lying
 (D) I would have told a lie
5. He loves not only reporting but also creative writing.
 (A) loves not only reporting
 (B) not only loves reporting
 (C) loves not reporting
 (D) loves only reporting

Directions—(Q. 6–8) Choose the correct connectors.

6. It is raining the weather is very hot.
 (A) for (B) still
 (C) though (D) otherwise
7. The rabbit was fast the tortoise was steady.
 (A) therefore (B) despite
 (C) yet (D) but
8. I was young I enjoyed riding.
 (A) Since (B) When
 (C) As (D) While

Directions—(Q. 9–12) Fill in the blanks with the most appropriate Subject — Verb Agreement.

9. Either of you responsible for the accident.
 (A) am (B) was
 (C) are (D) is
10. Three thousand rupees spent daily in buying food.
 (A) is (B) are
 (C) was (D) has
11. She her hair with a hair dryer.
 (A) dry (B) blow
 (C) dries (D) wets
12. Neither praise nor blame to affect him.
 (A) care (B) seems
 (C) seem (D) occur

Directions—(Q. 13 and 14) Choose the suitable adjective.

13. We spent a afternoon by sea beach.
 (A) likeable (B) loving
 (C) lovely (D) lovable
14. I don't have money left to give you.
 (A) much (B) more
 (C) some (D) few

Directions—(Q. 15 and 16) Choose the correct answer.

15. He to see his mother yesterday.
 (A) went (B) goes
 (C) is going (D) has been gone
16. Alps are feeling the effect of global warming.
 (A) A (B) The
 (C) An (D) Some

Directions—(Q. 17–21) Complete the word correctly.

17. Dia
 (A) rrhae (B) rrhea
 (C) rhea (D) rya
18. Mis
 (A) celaneous (B) cellaneous
 (C) calaneous (D) sellaneous
19. Impro
 (A) pable (B) bable
 (C) beble (D) baple

20. Post
(A) ulates (B) uliates
(C) ulattes (D) ulatess
21. Ind
(A) vidual (B) ividul
(C) ividual (D) ividal

Directions—(Q. 22–26) Read the following passage and answer questions based on passage.

Alexander on his way back, met a saint. The saint was sitting on a coarse grass mat and basking in the sunshine. Alexander stood in front of him and hoped that saint would pay respect to him, but he did not. Instead, he said, "Please stand aside. Let the sunshine come to me."

Alexander asked angrily, "Do you know who am I?"
The saint did not reply.

"I am an emperor-Alexander the Great", said Alexander, "I have conquered half of the world".

To this the saint said calmly, "The emperors do not roam restlessly like you. Go and try to conquer the hearts of the people by love."

Alexander bowed and walked away.

22. The saint asked Alexander to stand aside because—
(A) He was not a devotee
(B) He was blocking the sunshine.
(C) He wandered restlessly
(D) He did not seek permission

23. Which of the following word means 'conquer' ?
(A) Lose (B) Win
(C) Tell (D) Bow

24. What do the emperors usually not do ?
(A) visit a saint (B) rule an empire
(C) roam restlessly (D) bow to saints

25. Which of the following does not describe an emperor ?
(A) A ruler (B) A king
(C) An employee (D) A conqueror

26. Hearts of the people can be won by—
(A) Love (B) Money
(C) Power (D) Sword

Directions—(Q. 27–31) Complete the following idioms.

27. These days I am running money.
(A) fast of (B) short of
(C) long of (D) large of
28. You have to move if you want to excel in life.
(A) rocks (B) mountains
(C) plains (D) hills

29. I cannot make a or tail of what my little sister tells.
(A) heart (B) hand
(C) head (D) leg

30. Ramesh is the sheep of the family.
(A) red (B) white
(C) blue (D) black

31. Kashmir is a bone of between India and Pakistan.
(A) hatred (B) contention
(C) dispute (D) discord

Directions—(Q. 32–36) Give one word for the sentences.

32. A film show in the afternoon.
(A) Movie (B) Matinee
(C) Maiden (D) Housefull
33. One who trains sports person.
(A) Coach (B) Trainer
(C) Captain (D) Instructor
34. A person who leaves his country to settle in another country.
(A) Immigrant (B) Emigrant
(C) Migrant (D) Pessimist
35. The science of plant life.
(A) Physics (B) Chemistry
(C) Zoology (D) Botany
36. One who is hopeful.
(A) Optimist (B) Pessimist
(C) Saddist (D) Careless

Directions—(Q. 37–41) Give the correct collective noun.

37. A of sailors.
(A) company (B) troupe
(C) group (D) crew
38. A of fish.
(A) cluster (B) collection
(C) shoal (D) drove
39. A of bees.
(A) net (B) bunch
(C) tribe (D) swarm
40. At the night safari we saw a of lions.
(A) flock (B) pride
(C) group (D) herd
41. My cat gave birth to a of white kittens
(A) litter (B) library
(C) group (D) flock

Directions—(Q. 42–46) Fill in the blanks with the suitable alternative.

42. I can come some day.
(A) other (B) later
(C) latter (D) new
43. This is the church.
(A) elder (B) eldest
(C) older (D) oldest
44. Raj is intelligent than Rohan.
(A) much (B) very
(C) more (D) most
45. I want to read more books.
(A) the little (B) some
(C) a little (D) any
46. I don't have money in my pocket.
(A) any (B) some
(C) little (D) a little

Directions—(Q. 47–50) In each of the following questions, A sentence split into four parts labeled a, b, c and d is given. Rearrange the parts to form the original sentence and select the correct order among the four choices.

47. (a) remains the same amount of water
(b) the research revealed that children can
(c) that a pint of water poured from a small glass into a large one
(d) learn to count long before the recognition
(A) cdba (B) bcda
(C) bdca (D) badc
48. (a) all over Himalayan ranges
(b) many of them chiseled from solid rocks centuries ago
(c) hundreds of monasteries
(d) dot the mountainous regions
(A) dbac (B) dabc
(C) cbad (D) cbda
49. (a) he first made copies of more than twenty
(b) in order to raise money
(c) the artist so much treasured his collection of portraits
(d) that when forced to sell them
(A) bacd (B) cdba
(C) cdab (D) cadb
50. (a) that she would not speak for other backward classes
(b) because she firmly believed that it was necessary now
(c) she ventured to do so on this one occasion
(d) although the minister had previously emphasized
(A) acbd (B) bacd
(C) cbad (D) dacb

General Knowledge

51. Dry ice is—
(A) Solid ice without water
(B) Benzoic acid
(C) Glacial acetic acid
(D) Solid carbon dioxide
52. Which one of the following helps in clotting of blood ?
(A) Vitamin B (B) Vitamin C
(C) Vitamin A (D) Vitamin K
53. The headquarters of World Bank is situated at—
(A) Manila (B) Washington D. C.
(C) New York (D) Geneva
54. Percentage of lead in lead pencils is—
(A) 0% (B) 2%
(C) 4% (D) 6%
55. Who wrote our National Anthem ?
(A) Mahatma Gandhi
(B) Dr. Rabindra Nath Tagore
(C) Dada Bhai Naroji
(D) Shri Bankim Chandra Chatterji
56. Who did the first heart transplantation ?
(A) Alexander Fleming
(B) Roentgen
(C) Dr. Christian Bernard
(D) Aristotle
57. The hardest substance available on earth is—
(A) Platinum (B) Diamond
(C) Quartz (D) Gold
58. Bandipur sanctuary is located in the state—
(A) Tamil Nadu (B) Uttar Pradesh
(C) Karnataka (D) Madhya Pradesh
59. India's highest annual rainfall is reported at—
(A) Namchi, Sikkim
(B) Churu, Rajasthan
(C) Mawsynram Meghalaya
(D) Dharmshala, Himachal Pradesh
60. Who won the 2016 noble prize in literature ?
(A) John Lennon (B) Bob Dylan
(C) Richard Marx (D) Paul McCartney
61. How many medals were won by India in Rio Olympics-2016 ?
(A) 2 (B) 3
(C) 4 (D) 5
62. What is the ratio of the width to the length of the National Flag of India ?
(A) 2 : 4 (B) 3 : 5
(C) 4 : 5 (D) 2 : 3

63. What is the full form of www ?
 (A) World wide ways (B) World wide web
 (C) World web wide (D) World water ways
64. To what game is 'China man' related ?
 (A) Hockey (B) Squash
 (C) Badminton (D) Cricket
65. Who was the director of the film 'Gandhi' ?
 (A) Satyajit Ray
 (B) Bertolucci
 (C) Richard Attenborough
 (D) William Wylar
66. Name the oldest existing newspaper of India—
 (A) Bengal Gazette (B) Times of India
 (C) Mumbai Samachar (D) The Hindu
67. Cricket bat is made from which wood ?
 (A) Teak (B) Willow
 (C) Yew (D) Cedar
68. Who has been appointed as the new Chief Of Army Staff (COAS) ?
 (A) General Praveen Bakshi
 (B) General Dalbeer Suhag
 (C) General Sarath Chand
 (D) General Bipin Rawat
69. The name 'Dabbawalas' is related to which city ?
 (A) New Delhi (B) Bengaluru
 (C) Nagpur (D) Mumbai
70. International Yoga Day is celebrated on—
 (A) 20 June (B) 21 June
 (C) 21 September (D) 21 May
71. What is potato ?
 (A) Branch (B) Stem
 (C) Root (D) None of these
72. Swimmers go deep below the surface of water and explore sea life. What is it called ?
 (A) Scuba diving (B) Sky diving
 (C) Bungee jumping (D) Canoeing
73. How many fundamental rights are there in our constitution ?
 (A) 6 (B) 7
 (C) 5 (D) 4
74. A strip of water between two pieces of land is called—
 (A) Strait (B) Peninsula
 (C) Gulf (D) Isthmus
75. The term 'Banana Kick' is associated with which game ?
 (A) Football (B) Volleyball
 (C) Handball (D) Basketball
76. Who was responsible for the Jalian Wala Bagh Massacre ?
 (A) General Simon (B) General Smith
 (C) General Dyer (D) General Myer
77. Who is the defence minister of India ?
 (A) Arun Jaitley (B) Kalraj Mishra
 (C) Dr. Harsh Vardhan (D) None of these
78. Who is the chief minister of Delhi ?
 (A) Arvind Kejriwal (B) Kiran Bedi
 (C) Arun Jaitley (D) Harsh Vardhan
79. Hindi day is celebrated on—
 (A) 14 October (B) 14 September
 (C) 14 November (D) 14 March
80. Who defined democracy as "Government of the people, by the people, for the people ?"
 (A) George Washington
 (B) J. S. Mill
 (C) Jean Jacques Rousseau
 (D) Abraham Lincoln
81. Richter scale is used for measuring the—
 (A) Velocity of wind
 (B) Depth of an ocean
 (C) Velocity of earth's rotation
 (D) Intensity of earthquake
82. The Rowlatt act was passed in the year—
 (A) 1913 (B) 1915
 (C) 1917 (D) 1919
83. In which of the following states was the panchayati raj first introduced ?
 (A) Gujarat (B) Rajasthan
 (C) Uttar Pradesh (D) Karnataka
84. When the earth is nearest to the sun in its orbit, it is said to be in—
 (A) Equinox (B) Perihelion
 (C) Aphelion (D) Solistice
85. Rashtrapati Bhawan was designed by—
 (A) Edward Sote (B) Edwin Lutyens
 (C) Tarun Dutt (D) Le Carbusier
86. Who has won the Raman Magsaysay award 2016 ?
 (A) Todur Madabusi Krishna
 (B) Bezwada Wilson
 (C) Dompeth dhuafa
 (D) All of the above
87. The book 'Six Machine' is the autobiography of—
 (A) Yuvraj Singh (B) Chris Gayle
 (C) Virendra Sehwag (D) AB de Villiers
88. Who is the speaker of Lok Sabha ?
 (A) Sumitra Mahajan (B) Sushma Swaraj
 (C) Uma Bharti (D) Nirmala Sitaraman

89. The gas predominantly responsible for global warming is—
 (A) Carbon dioxide (B) Carbon monoxide
 (C) Nitrous oxide (D) Nitrogen peroxide
90. What is the full form of A. M. ?
 (A) Ante meridian (B) Ante movement
 (C) After meridian (D) Adjacent meridian
91. Who prepares maps and charts ?
 (A) Radiographer (B) Cartographer
 (C) Seismographer (D) None of these
92. Who is the Secretary General of United Nations organization ?
 (A) Ban Ki-Moon (B) Yukiya Amano
 (C) Zaheer Abbas (D) Hiroshi Naka
93. Which is the capital of Mizoram ?
 (A) Shimla (B) Aizwal
 (C) Imphal (D) Shillong
94. What is the term of a member of the Rajya Sabha ?
 (A) 3 years (B) 4 years
 (C) 5 years (D) 6 years
95. What is the number of the permanent members of the U. N. Security Council ?
 (A) 5 (B) 4
 (C) 7 (D) 10
96. Who was the flag bearer of India at Rio Olympics-2016 ?
 (A) P. V. Sindhu (B) Jwala Gutta
 (C) Yogeshwar Dutt (D) Abhinav Bindra
97. Which is the largest state of India (area wise) ?
 (A) Madhya Pradesh (B) Rajasthan
 (C) Uttar Pradesh (D) West Bengal
98. Kuchipudi is the dance of which state ?
 (A) Andhra Pradesh (B) Tamil Nadu
 (C) Odisha (D) Karnataka
99. Who founded the Indian National congress ?
 (A) W. C. Banerjee
 (B) Satyendra Nath Banerjee
 (C) G. K. Ghokale
 (D) A. O. Hume
100. For a time difference of one hour the longitudinal distance is equal to—
 (A) 1 degree (B) 5 degree
 (C) 10 degree (D) 15 degree
102. How many weeks are there in 105 days ?
 (A) 14 (B) 12
 (C) 13 (D) 15
103. Leena has swimming lessons every fifth day and diving lesson every third day. If she had a swimming lesson and a diving lesson on May 5, when will be the next date on which she has both swimming and diving lessons ?
 (A) May 15 (B) May 10
 (C) May 20 (D) May 5
104. Calculate the ratios $2 : 3 = 36 : \text{—}$
 (A) 45 (B) 54
 (C) 37 (D) 56
105. The length of longest chord of the circle is 24 cm. The length of its radius is—
 (A) 12 (B) 8
 (C) 13 (D) 24
106. How many arcs can be drawn in a circle ?
 (A) 3 (B) 2
 (C) 8 (D) Many
107. Find the average of all first odd natural numbers less than 15.
 (A) 6 (B) 8
 (C) 7 (D) 10
108. Mohan is having 20% more money than Sham. If Sham has ₹ 500, then find the money that Mohan has ?
 (A) ₹ 600 (B) ₹ 520
 (C) ₹ 400 (D) None of these
109. $5 : 4$ is equal to—
 (A) 125% (B) 80%
 (C) 60% (D) 40%
110. What is circumference of circle ?
 (A) πr^2 (B) $2 \pi r$
 (C) $2 \pi rh$ (D) $\frac{\pi r^2}{2}$
111. A man sells 320 mangoes at the cost price of 400 mangoes. His gain per cent is—
 (A) 10% (B) 25%
 (C) 15% (D) 20%
112. Subtract (-4) from (-10) —
 (A) -6 (B) 6
 (C) 4 (D) 14
113. A man has a field of 75 acres. Of which 15 acres has been ploughed. What part of the field is yet to be ploughed ?
 (A) $\frac{4}{5}$ (B) $\frac{3}{4}$
 (C) $\frac{5}{6}$ (D) $\frac{4}{6}$

Mathematics

101. The HCF and LCM of two numbers are 18 and 252 respectively. If one of the number is 126, find the other.
 (A) 12 (B) 18
 (C) 36 (D) 15

114. How many person will able to eat for 100 days of food which is sufficient for 800 persons for 20 days ?
 (A) 80 persons (B) 160 persons
 (C) 240 persons (D) 320 persons
115. What is 75% of one hour ?
 (A) 45 min (B) 30 min
 (C) 40 min (D) 60 min
116. On dividing a number by 38, the quotient is 10 and the remainder is also 10. Find the number.
 (A) 360 (B) 390
 (C) 380 (D) 260
117. Which shape never have parallel sides ?
 (A) Rhombus (B) Triangle
 (C) Octagon (D) Rectangle
118. Which group shows all the number that are common factors of 36 and 48 ?
 (A) 1, 2, 3, 4, 6
 (B) 1, 2, 3, 4, 6, 12
 (C) 1, 2, 3, 4, 6, 9, 12, 18
 (D) 1, 2, 3, 4, 6, 8, 12, 16, 24
119. A restaurant has 38 tables. In each table 4 people can sit. If every table is full, how many people can take their seats in the restaurant at the same time ?
 (A) 34 people (B) 42 people
 (C) 122 people (D) 152 people
120. Kiran bought a mobile for ₹ 6000 and sold it for ₹ 5400. What is his loss per cent ?
 (A) 20% (B) 10%
 (C) 15% (D) 30%
121. $\frac{2}{5}\%$ of 240 + $\frac{3}{5}\%$ of 180 =
 (A) 2.03 (B) 2.04
 (C) 3.04 (D) 20.4
122. The simple interest on ₹ 500 at rate of 5 per cent for 4 years is—
 (A) ₹ 20 (B) ₹ 100
 (C) ₹ 25 (D) ₹ 50
123. What is the complementary angle of 60° ?
 (A) 30° (B) 120°
 (C) 300° (D) 90°
124. Express in decimals the sum of $\frac{3}{10} + \frac{2}{10} + \frac{7}{100} + \frac{2}{100}$.
 (A) 0.3272 (B) 0.59
 (C) 0.329 (D) 0.572
125. Find the amount whose 30% is ₹ 6.
 (A) ₹ 150 (B) ₹ 180
 (C) ₹ 30 (D) ₹ 20
126. On dividing a number by 19, the quotient was 5 and the remainder was also 5, find the number.
 (A) 90 (B) 95
 (C) 105 (D) 100
127. What should be the selling price of a cow whose cost is ₹ 1500 to get 20% profit ?
 (A) ₹ 1800 (B) ₹ 1530
 (C) ₹ 1600 (D) ₹ 2000
128. Which fraction should be divided by $\frac{3}{4}$, so that the quotient is $\frac{4}{5}$?
 (A) $\frac{3}{16}$ (B) $\frac{15}{16}$
 (C) $\frac{3}{5}$ (D) $\frac{3}{20}$
129. The place value of 5 in 678.765 is—
 (A) $\frac{5}{1000}$ (B) $\frac{5}{10}$
 (C) 50 (D) $\frac{5}{100}$
130. The sum of prime numbers less than 20 is—
 (A) 78 (B) 75
 (C) 77 (D) 79
131. The speed of a car is 80 km/hr. After 2 hours it covered one-fourth of the total distance. What is the total distance ?
 (A) 640 km (B) 120 km
 (C) 80 km (D) 100 km
132. An isosceles triangle has two sides with length x . The third side is half of x . What is its perimeter ?
 (A) $5x$ (B) $2\frac{1}{2}x$
 (C) $3x$ (D) $4\frac{1}{2}x$
133. A car travels 14 km in 1 litre of petrol. How many litres of petrol is required to travel 126 km ?
 (A) 9 litres (B) 28 litres
 (C) 4 litres (D) 10 litres
134. Jatin reads a 200 page book in 10 hours. How many hours he will take to read a 320 pages books ?
 (A) 16 hours (B) 24 hours
 (C) 18 hours (D) 32 hours
135. A rectangle has length 15 cm and perimeter P cm. Which equation could be used to find the width of the rectangle ?
 (A) $P = 15 + w/2$ (B) $P = 15 - w$
 (C) $P = 30 + 2w$ (D) $P = 30 - 2w$
136. The value of $8 + 8 \div 2 + 2$ is—
 (A) 9 (B) 8
 (C) 10 (D) 14

137. A machine takes 12 minutes to fill 200 bottles of coca cola. At this rate, how many minutes it will take to fill 500 bottles of coca cola ?
 (A) 25 minutes (B) 28 minutes
 (C) 30 minutes (D) 40 minutes
138. What is the greatest common divisor of 54, 36 and 24 ?
 (A) 2 (B) 3
 (C) 6 (D) 9
139. The cost of a school bag is ₹ 440 and the VAT on cost is 2%. What is the total cost ?
 (A) ₹ 480 (B) ₹ 448.80
 (C) ₹ 500 (D) ₹ 490
140. 0.05 will be represented in per cent as—
 (A) 50% (B) 5%
 (C) 95% (D) 20%
141. The smallest 4 digit number divisible by 2 and 3 is—
 (A) 1000 (B) 1002
 (C) 1003 (D) 1006
142. The difference of the smallest and greatest number formed by the digits 5, 0, 8, 9, 2 is—
 (A) 20589 (B) 98520
 (C) 101109 (D) 77931
143. Sum of all prime numbers between 10 and 25 is—
 (A) 72 (B) 83
 (C) 66 (D) 70
144. The simplification of $1 + \frac{1}{10} + \frac{1}{100} + \frac{1}{1000}$ in decimal form is—
 (A) 1.0001 (B) 1.111
 (C) 1.001 (D) 0.1111
145. How many seconds are there in 5 hours ?
 (A) 18000 seconds (B) 18500 seconds
 (C) 1800 seconds (D) 20000 seconds
146. One side of a square is 3 cm. What is its perimeter ?
 (A) 12 cm (B) 10 cm
 (C) 11 cm (D) 13 cm
147. A student secured 30% marks out of total marks of 250. If he failed by 25 marks, the marks required to pass are—
 (A) 50 (B) 75
 (C) 100 (D) 125
148. How many 20 cm long and 14 cm wide bricks are needed to pave a rectangular 16 m long and 14 m wide ?
 (A) 8000 (B) 11200
 (C) 10000 (D) 2800
149. A tank whose length, breadth and height are respectively 7 m, 6 m and 5 m, then the water holding capacity (Volume) of the tank ?
 (A) 210m^3 (B) 320m^3
 (C) 300m^3 (D) 350m^3
150. In a school there are 1200 students. If 40% of them are girls, then find the number of boys in the school.
 (A) 720 (B) 480
 (C) 620 (D) 600
151. Find the greatest four digit number which is exactly divisible by 66.
 (A) 9966 (B) 6666
 (C) 9933 (D) 9000
152. The town newspaper is published every day. One copy has 12 pages. Every day 11980 copies are printed. How many total pages are printed every day ?
 (A) 1,43,760 (B) 1,44,770
 (C) 1,45,760 (D) 1,43,670
153. The number 12 has got how many factors ?
 (A) 8 (B) 12
 (C) 6 (D) 5
154. $x - 15 = -10$. What is the value of 'x' ?
 (A) 5 (B) 10
 (C) 25 (D) 0
155. $\frac{4}{5}$ of a number exceeds its $\frac{2}{3}$ by 8. The number is—
 (A) 30 (B) 60
 (C) 90 (D) None of these
156. Which of the numbers are twin primes ?
 (A) (5, 7) (B) (18, 25)
 (C) (11, 17) (D) (23, 62)
157. Write in roman numerals 98.
 (A) XCVII (B) XCVVI
 (C) XCVIII (D) XCVIV
158. Which is the smallest whole number ?
 (A) 1 (B) 2
 (C) -1 (D) 0
159. The HCF of 24 and 36 is—
 (A) 12 (B) 2
 (C) 3 (D) 14
160. A can do a piece of work in 30 days while B can do it in 40 days. A and B working together can do it in how many days ?
 (A) 70 days (B) $\frac{171}{4}$ days
 (C) $\frac{190}{7}$ days (D) $\frac{120}{7}$ days

161. The circumference of a circle is 44 cm. Find the area of the circle.

(A) 160 cm^2 (B) 158 cm^2
(C) 156 cm^2 (D) 154 cm^2

162. What is the difference between the second power of 3 and the third power of 2?

(A) 2 (B) 5
(C) 3 (D) 1

163. Simplify—

$$37 \times 9 + 45 \times 9 + 18 \times 9 :$$

(A) 909 (B) 896
(C) 900 (D) 891

164. The sum of two numbers is 40 and their difference is 4. Find the ratio of these two numbers.

(A) 10 : 9 (B) 11 : 9
(C) 13 : 9 (D) 8 : 9

165. Find the cube root of $729a^9b^6$

(A) $9a^3b$ (B) $9a^2b^3$
(C) $9a^3b^2$ (D) $9a^3b^3$

166. Manoj eats 8 bananas in the morning, 5 in the afternoon and 2 in the evening. How many dozens of bananas does he eat in a day?

(A) $1\frac{1}{4}$ (B) $\frac{1}{4}$
(C) $\frac{3}{12}$ (D) $14\frac{17}{30}$

167. The base and height of a triangle is 8 cm and 10 cm respectively. Find its area.

(A) 40 sq cm (B) 20 sq cm
(C) 49 sq cm (D) 64 sq cm

168. The product of two numbers is 3333. If one of them is 11, find the other.

(A) 33 (B) 333
(C) 303 (D) 330

169. Express 12 m/min into km/hr.

(A) 0.72 km/hr (B) 72 km/hr
(C) 7.2 km/hr (D) 0.072 km/hr

170. Three angles of a triangle are in the ratio 1 : 2 : 3. What is the value of the greatest angle?

(A) 105° (B) 120°
(C) 90° (D) 80°

171. What should be subtracted from 1 to get $\frac{7}{10}$?

(A) $\frac{1}{10}$ (B) $\frac{2}{10}$
(C) $\frac{5}{10}$ (D) $\frac{3}{10}$

172. How many lines can pass through two given points?

(A) 1 (B) 2
(C) 3 (D) Infinite

173. Find the greatest fraction.

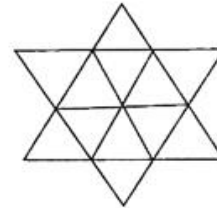
$$\frac{2}{5}, \frac{5}{6}, \frac{11}{12}, \frac{7}{8}$$

(A) $\frac{7}{8}$ (B) $\frac{11}{12}$
(C) $\frac{5}{6}$ (D) $\frac{2}{5}$

174. How many $\frac{1}{8}$ are there in 37.5 ?

(A) 300 (B) 400
(C) 500 (D) 375

175. Find the number of triangles in the following figure.



(A) 20 (B) 25
(C) 18 (D) 15

Intelligence Test

176. The day before yesterday was Saturday, so tomorrow it will be—

(A) Friday (B) Monday
(C) Tuesday (D) Wednesday

177. The time on the watch is quarter to three. If the minute-hand points to North-East, in which direction does the Hour hand point?

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

178. One morning Vedanti and Shivanya were talking to each other face-to-face. If Shivanya's shadow was exactly right to Vedanti, which direction is Shivanya facing?

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

179. Which of the following year is a leap year?

(A) 1882 (B) 1800
(C) 1296 (D) 1962

180. Mahesh walks 30 metres towards East. Then he turns to his Right and walks 20 metres. Then again turning to his right, he walks 30 metres. How far and in which direction is he from his original position?

(A) 20 metres, North (B) 50 metres, South
(C) 50 metres, West (D) None of these

181. A number is greater than 3, but less than 8. Also it is greater than 6, but less than 10. The number is—

(A) 5 (B) 6
(C) 7 (D) 8

182. Mohan ranks 13th in the class of 31 students. What is his rank from the last ?

- (A) 15th (B) 17th
(C) 19th (D) 20th

183. If A stands for '+', B stands for '-' and C stands for 'x'. What is the value of (10 C 4) A (4 C 4) B 6 ?

- (A) 46 (B) 50
(C) 56 (D) 60

184. If '+' is 'x', '-' is '+', 'x' is '÷' and '÷' is '-', then $21 \div 8 + 2 - 12 \times 3 = ?$

- (A) 14 (B) 9
(C) 13.5 (D) 11

Directions—(Q. 185 and 186) Find the words which are different from the group.

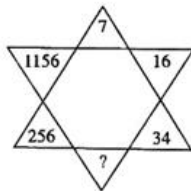
185. (A) Chandigarh (B) Kerala
(C) Manipur (D) Andhra Pradesh
186. (A) Yen (B) Lira
(C) Dollar (D) Ounce

Directions—(Q. 187 and 188) Work out the codes for each question and find the second missing word.

187. If QLMU means SNOW, then JGQR means —
(A) KTIS (B) SILT
(C) TIST (D) LIST
188. If MRPW means POST, then EDKG means —
(A) BANG (B) NAND
(C) HAND (D) SAND

Directions—(Q. 189 and 190) Find out the relationship between two words.

189. Cobra : Snake :: Leopard : ?
(A) Tiger (B) Lion
(C) Cat (D) Zebra
190. Boat : Oar :: Bicycle : ?
(A) Road (B) Wheel
(C) Seat (D) Paddle
191. Arrange these words in alphabetical order and find out the one which comes at second place.
(A) Tennis (B) Tendon
(C) Tender (D) Tempest

192. Find the value of '?'.


- (A) 72 (B) 66
(C) 68 (D) 49

193. Which one will replace the question-mark ?

A ₂	C ₄	E ₆
G ₃	I ₅	?
M ₅	O ₉	Q ₁₄

- (A) L₁₀ (B) K₁₅
(C) I₁₅ (D) K₈

Directions—(Q. 194–198) Find out the missing terms.

194. CDF, DEG, EFH, ?
(A) FGI (B) FGH
(C) HFG (D) EFI
195. 6, 24, 12, ?, 18, 8, 24
(A) 4 (B) 8
(C) 16 (D) 32
196. a_bbc_aab_cca_bbcc
(A) bacb (B) acba
(C) abba (D) caba
197. 81 : 27 :: 93 : ?
(A) 39 (B) 63
(C) 31 (D) 13
198. BdNf : JnLo :: OrGh : ?
(A) GhNm (B) WbDq
(C) NmOh (D) FwBf

199. A's mother is sister of B and daughter of C. D is the daughter of B and sister of E. How C is related to E ?

- (A) Father (B) Uncle
(C) Grandmother (D) Grandfather

200. Six boys are so standing that they form a circle each facing the centre. Alok is to left of Prabhat. Sunil is between Ashok and Vinay. Hari is between Alok and Ashok. Who is the left of Vinay ?

- (A) Prabhat (B) Hari
(C) Ashok (D) Sunil

