

9. A car travelling with $\frac{5}{7}$ th of its actual speed covers 42km in 1hr. 40mins. 48 secs. Find the actual speed of the car.

- a. $17\frac{6}{7}$ km/hr b. 35 km/hr c. 25 km/hr d. 30 km/hr

10. Rohit covers one-fourth of the total distance at 20 km/hr, one-fourth at 10 km/h and rest of his journey at 80 km/h. Find Rohit's average speed for the whole distance?

- a. 22.85 km/hr b. 25.15 km/hr c. 50 km/hr d. 40 km/hr

11. Raj got a new chair for 35% discount. Had Raj got no discount, Raj would have had to pay \$ 224 more. How much did Raj pay for the chair?

- a. \$ 416 b. \$ 640 c. \$ 208 d. \$ 224

12. Gurpreet went to a shop and bought a sofa. She got a 20% discount on it. Had she gotten 25% discount she would have saved \$ 1000 more. How much did she pay for the sofa?

- a. \$ 5000 b. \$ 10,000 c. \$ 20,000 d. \$ 25000

13. The ratio of the current ages of Ajay and Vijay is 7:4. The ratio between Ajay's age 6 years ago and Vijay's age 6 years from now is 1:1. Find the ratio between Ajay's age 12 years hence and Vijay's age 12 years ago.

- a. 12:1 b. 10:1 c. 1:1 d. None of these

14. If the ratio of the ages of Shweta and Veena was 5:6 six years ago and it will become 10:11 in 4 years from now, then find the present age of Veena.

- a. 16 b. 18 c. 10 d. 12

15. If $\sin a = P$ and $\tan a = Q$, find the value of $\frac{1}{P^2} - \frac{1}{Q^2}$?

- a. 0 b. 1 c. 2 d. -1

16. The least common multiple of two numbers is 168 and highest common factor of them is 12. If the difference between the numbers is 60, what is the sum of the numbers?

- a. 108 b. 96 c. 122 d. 144

17. A's salary is 50% more than B's. How much percent is B's salary less than A's?

- a. $33\frac{1}{4}\%$ b. $33\frac{1}{3}\%$ c. $33\frac{1}{2}\%$ d. 33%

18. Two numbers are less than a third number by 30% and 37% respectively. How much percent is the second number less than the first?

- a. 7% b. 10% c. 4% d. 3%

19. A man goes to Mumbai from Pune at a speed of 4 km/hr and returns to Pune at speed of 6km/hr. What is his average speed of the entire journey?

- a. 4.8km/hr b. 5 km/hr c. 4.2 km/hr d. 5.6 km/hr

20. Integers a, b, c, d are such that $-5 = a = 4$, $-2 = b = 6$, $-3 = c = 8$ and $-4 = d = 6$. If $X = ab+bc+cd+da$, then find the least value of X?

- a. -96 b. -72 c. 48 d. -144

21. Find the remainder when $9^{400}+9^{401}+9^{402}+\dots+9^{410}$ is divided by 6?

- a. 0 b. 1 c. 3 d. 2

22. Sonali could not decide between discount of 30% or two successive discounts of 25% and 5%, both given on shopping of \$ 2000. What is the difference between both the discounts?
a. \$ 15 b. \$ 25 c. \$ 100 d. There is no difference
23. Ramesh's salary was reduced by 10% and then the reduced salary was increased by 10%. What was his ultimate loss?
a. 0% b. 10% c. 1% d. 5%
24. In a country 55% population is female. 80% of the male population is literate. How much of females are literate if total literacy is 58%?
a. 45% b. 55% c. 40% d. 22%
25. Total age of A and B is 12 years more than the total age of B and C. By how many years is C younger than A?
a. 12 years b. 24 years c. Data insufficient d. None of these
26. The sum of ages of 5 children born at three year interval each is 50. How old is the youngest child?
a. 6 b. 5 c. 4 d. 3
27. Dean has a cardboard box whose length, breadth and height are in the ratio 1:2:3. He makes a new box such that the length, breadth and height got increased by 100%, 200% and 200% respectively. How much less is volume of old box than the new box?
a. 12 times less b. 16 times less c. 17 times less d. 24 times less
28. When Jaya divided surface area of a sphere by the sphere's volume, she got the answer as $\frac{1}{18}$ cm. What is the radius of the sphere?
a. 24 cm b. 6 cm c. 54 cm d. 4.5 cm
29. The price of cooking oil has increased by 25%. By what percent should a family reduce the consumption of cooking oil so as not to increase the expenditure in this account?
a. 20% b. 25% c. 18% d. 16%
30. Rohit has to reach Mumbai which is 500 km away in 10 hours. His starting speed for 3 hours was 60 km/hr. For the next 200 km his speed was 50km/hr. By what speed he must travel now so as to reach Mumbai in decided time of 10 hours?
a. 40km/hr b. 50 km/hr c. 60 km/hr d. 20 km/hr
31. P, Q and R are in a cycle race of 4500 meters. P cycles twice as fast as Q. R cycles $\frac{1}{3}$ rd as fast as Q. R completes the race in 45 minutes. Then where was Q from the finishing line when P finished the race?
a. 300 m b. 1500 m c. 2250 m d. 3000 m
32. Which of the following numbers satisfy the following condition in base 10?:
Digits are alternatively 0 with the units' digit being non-zero 1) $(100110110)_2$ 2) $(110010010)_2$ 3) $(11001001)_2$
a. Only 1 b. Only 2 c. Only 3 d. More than 1 of 1, 2, and 3

33. There is a machine which accepts two values A and B. The values are updated as $A=A+4$ and $B=A(B+3)$. The machine stops at $X>400$. Input values are $A=1$ and $B=3$, how many steps are performed before the machine stops?
 a. 1 b. 3 c. machine never stops d. 2
34. The sum of n positive numbers will be which of the following, given that their product is unity?
 a. a positive integer b. divisible by n c. equal to $n + 1/n$ d. never less than n
35. Which of the following will yield maximum discount on \$ 6896?
 1) 2 successive discounts of 5% and 5%
 2) Single discount of 10%
 3) 2 successive discounts of 8% and 2%
 a. 3 b. 2 c. 1 d. All will yield same discount
36. Blackberry announced a discount of 25% on their trouse\$ Vivek went to shop. He wanted to save \$ 400 in discount. How many trousers should he buy to do so, if each trouser costs \$ 320?
 a. 5 b. 4 c. 10 d. 50
37. The difference between the ages of two brothers is 8 years. If 12 years ago, the elder one was twice as old as his younger brother, what is the present age of the younger brother?
 a. 20 b. 28 c. 24 d. 26
38. A square is inscribed in a triangle with the two shorter sides p and q such that the square has a common right angle with the triangle. What is the perimeter of the square?
 a. $4(1/p+1/q)$ b. $4pq/(p+q)$ c. $(p^2 q^2)/(p+q)^2$ d. $(1/p+1/q)^2$
39. Three balls of equal radius are placed such that they are touching each other. A fourth smaller ball is kept such that it touches the other three. Find the ratio of the radii of larger to smaller ball.
 a. $(2-\sqrt{3})/\sqrt{3}$ b. $3-2\sqrt{3}$ c. 3.5 d. $4\sqrt{5}$
40. What is the area of the largest triangle that can be fitted into a rectangle of length 'l' units and width 'w' units?
 a. $wl/3$ b. $wl/4$ c. $wl/2$ d. none of these
41. A rectangle is 14 cm long and 10 cm wide. By what %age does the length change if we convert this into a square of the same area?
 a. 10% b. 20% c. 15% d. 12%
42. Ramesh has a metal cube. He paints all sides of the cube with green color. He divides the cube into smaller cubes of volume 1 cu.m. each. How many of these smaller cubes will not have green color on even one of its sides if the volume of larger cube is 27 cu.m.?
 a. 9 b. 1 c. 0 d. 3
43. Paper charge is Rs. 60 per kg. How much expenditure would be there to cover a cube of edge 10m with a paper, if one kg of paper covers 20 sq.m. area?
 a. Rs. 2250 b. Rs. 3600 c. Rs. 2700 d. Rs. 1800

54. She proved true _____ his parents.
a. to b. for c. with d. of
55. We worked _____ hard _____ they.
a. so,as b. as,so c. as, as d. so,so
56. Fill up the following sentence by selecting passive voice of:
"Ram will meet you at the airport". You _____ met by Ram at the airport.
a. would be b. could be c. will be d. can be
57. 12 people _____ arrested by the police.
a. are b. is c. were d. may
58. The girl _____ you are talking about is very selfish.
a. Which b. Whom c. That d. Who
59. We ----- the movie since ten o' clock .
a. are playing b. have been playing c. have played d. were playing
60. He made his escape by jumping _____ a window and jumping _____ a waiting car.
a. out of / between b. out of/into c. over/into d. between/into
61. One who knows everything
a. Egoist b. B. Vandal c. Omniscient d. Gullible
62. Practice of having several husbands
a. Bigamy b. Polyandry c. Omnipotent d. Inimitable
63. Life history written by oneself
a. History b. Biography c. Autobiography d. Novel
64. The person who collects coins
a. Numismatist b. Oologist d. Arctophile d. Notaphilist
65. The person who collects stamps
a. Notaphilist b. Scripophilist c. Coleopterist d. Philatelist
66. A Government by the few
a. Plagiarist b. Oligarchy c. Autocracy d. Plutocracy
67. One who believes in god
a. Gnostic b. Agnostic c. Atheist d. Theist
68. Belief in one god
a. Monoecious b. Monotheism c. Polytheists d. Deists
69. Utopia
a. an imagined place or state of things in which everything is perfect
b. an imagined place which is worst for human beings to live
c. an imagined place where two lovers want to go
d. an imagined place where everything is free

70. Verbatim
 a. a writing, which is never written before
 b. a writing word for word
 c. related to a war
 d. related to social projects

Choose the Antonyms from question 71-85

71. Hirsute
 a. Shaggy b. bald c. erudite d. glorious
72. Quiescent
 a. indifferent b. weak c. active d. responsive
73. Morbid
 a. Healthy b. Liberal c. Progressive d. Stale
74. Belittle
 a. Expand b. Prohibit c. Inflate d. Extol
75. Ostentatious
 a. Nescient b. Awkward c. Bankrupt d. Reserved
76. Opprobrious
 a. Respectful b. Miscible c. Inspiring d. Imitable
77. Ecstasy
 a. Hate b. Agony c. Languor d. Fatigue
78. Flaunt
 a. Regard b. Sink c. Hide d. Propose
79. Candid
 a. Unkind b. Blunt c. Valid d. Dishonest
80. Fatuous
 a. Crafty b. Frugal c. Sensible d. Inane
81. Rearrange the following parts (1, 2, 3 and 4) in proper sequence to obtain a correct sentence.
 1. *pending because it wasn't*
 2. *Too many cases still lie*
 3. *is the convict*
 4. *confirmed that the accused really*
 a. 2, 1, 4, 3 b. 2, 3, 4, 1 c. 1, 4, 3, 2 d. 4, 2, 1, 3

82. Rearrange the following parts (1, 2, 3 and 4) in proper sequence to obtain a correct sentence.
 1. *our country*
 2. *following greater than some*

3. *Salman Khan has a fan*

4. *of the best paid sports person in*

- a. 1, 3, 4, 2 b. 3, 4, 2, 1 c. 4, 1, 3, 2 d. 3, 2, 4, 1

83. Rearrange the following parts (1, 2, 3 and 4) in proper sequence to obtain a correct sentence.

1. *held on all India basis*

2. *appear the SSC examination*

3. *every year many students from*

4. *all over the country*

- a. 1, 2, 4, 3 b. 3, 4, 2, 1 c. 2, 3, 1, 4 d. 2, 4, 1, 3

84. Rearrange the following parts (1, 2, 3 and 4) in proper sequence to obtain a correct sentence.

1. *of their passions*

2. *is a knowledge*

3. *the knowledge*

4. *of mankind*

- a. 3, 2, 4, 1 b. 3, 4, 2, 1 c. 1, 3, 4, 2 d. 4, 3, 2, 1

85. Rearrange the following parts (1, 2, 3 and 4) in proper sequence to obtain a correct sentence.

1. *be, not what*

2. *always be*

3. *whom you want to*

4. *others want to see*

- a. 1, 2, 4, 3 b. 3, 4, 2, 1 c. 2, 3, 1, 4 d. 4, 3, 1, 2

READING COMPREHENSION PASSAGES (Questions 86 to 95)

Directions: Read the following passage and answer the questions that follow. Refer to the text to check your answers when appropriate.



White Chess Pieces

Chess is called the game of kings. It has been around for a long time. People have been playing it for over 500 years. Chess is based on an even older game from India. The chess we play today is from Europe.

Chess is a two-player game. One player uses the white pieces. The other uses the black pieces. Each piece moves in a special way. One piece is called the king. Each player has one. The players take turns moving their pieces. If a player lands on a piece, he or she takes it. The game ends when a player loses his or her king. There are a few more rules, but those are the basics.

Some people think that chess is more than a game. They think that it makes the mind stronger. Good chess players use their brains. They take their time. They think about what will happen next. These skills are useful in life and in chess. Chess is kind of like a work out for the mind.

You don't always have lots of time to think when playing chess. There is a type of chess with short time limits. It's called blitz chess. In blitz chess, each player gets ten minutes to use for the whole game. Your clock runs during your turn. You hit the time clock after your move. This stops your clock. It also starts the other player's clock. If you run out of time, you lose. Games of blitz chess are fast-paced.

Chess is not just for people. Computers have been playing chess since the 1970s. At first they did not play well. They made mistakes. As time went on they grew stronger. In 1997, a computer beat the best player in the world for the first time. It was a computer called Deep Blue. Deep Blue was big. It took up a whole room. By 2006 a cell phone could beat the best players in the world. Chess sure has come a long way. Don't you think so?

86. What is the author's purpose in writing the second paragraph?

- a. To explain the rules of chess
- b. To compare different types of games
- c. To talk about game pieces
- d. To persuade people to play chess

87. Which is **not** a reason that chess is a good workout for the mind according to the text?

- a. Good chess players think about what will happen next.
- b. Good chess players take a lot of risks.
- c. Good chess players take their time.
- d. Good chess players use their brains.

88. How long have people been playing chess?

- a. Over 100 years
- b. Over 500 years
- c. Over 1000 years
- d. Over 5000 years

89. Where did the game that chess is based on come from?

- a. Europe
- b. America
- c. India
- d. All of these

90. Which best describes the main idea in the fourth paragraph?

- a. This paragraph argues that players should think less.
- b. This paragraph explains how blitz chess is played.
- c. This paragraph explains time clocks work.
- d. This paragraph describes many different ways to play chess.

91. How does a game of chess end according to the text?

- a. One player takes all of the other player's pieces.
- b. One player makes it to the end of the board.
- c. One player becomes king.
- d. One player loses his or her king.

92. Which happened first?

- a. Computers did not play chess well.
- b. Deep Blue won an important game.
- c. Cell phones got good at playing chess.
- d. Deep Blue took up a whole room.

93. How is blitz chess different from regular chess?

- a. Each player has two kings.
- b. Players are blindfolded.
- c. Players only have ten minutes to play.
- d. Players start from a random position.

94. If it's your turn in blitz chess, what happens when you hit the clock?

- a. Both your clock and the other person's clock keep running.
- b. The other person's clock stops running and yours starts.
- c. Both clocks stop running.
- d. Your clock stops running and the other person's clock begins.

95. When did a computer first beat a strong human player in chess?

- a. 2006
- b. 1997
- c. 1970
- d. 1976

Choose the Synonyms from question 95-100

96. Vicissitude

- a. sorrows
- b. misfortunes
- c. changes
- d. surprises

97. Pandemonium

- a. great joy
- b. utter confusion
- c. loud noise
- d. big crowd

98. Garrulity

- a. credulity
- b. speciousness
- c. Loquaciousness
- d. speciousness

99. Magniloquent

- a. Amusing
- b. Humorous
- c. Intelligent
- d. Boastful

100. Yoke

- a. Intrigue
- b. Simple-minded
- c. Victorious
- d. Noise

Answer Key

- | | | |
|-------|-------|--------|
| 1. c | 50. c | 99. d |
| 2. b | 51. a | 100. b |
| 3. b | 52. c | |
| 4. d | 53. b | |
| 5. d | 54. a | |
| 6. c | 55. c | |
| 7. d | 56. a | |
| 8. c | 57. c | |
| 9. b | 58. b | |
| 10. a | 59. d | |
| 11. a | 60. b | |
| 12. c | 61. c | |
| 13. b | 62. b | |
| 14. b | 63. c | |
| 15. b | 64. a | |
| 16. a | 65. d | |
| 17. b | 66. b | |
| 18. b | 67. d | |
| 19. a | 68. b | |
| 20. a | 69. a | |
| 21. c | 70. b | |
| 22. b | 71. b | |
| 23. c | 72. c | |
| 24. c | 73. a | |
| 25. a | 74. d | |
| 26. c | 75. d | |
| 27. c | 76. a | |
| 28. c | 77. b | |
| 29. a | 78. c | |
| 30. a | 79. d | |
| 31. c | 80. c | |
| 32. d | 81. a | |
| 33. d | 82. d | |
| 34. d | 83. b | |
| 35. b | 84. b | |
| 36. a | 85. c | |
| 37. a | 86. a | |
| 38. b | 87. b | |
| 39. a | 88. b | |
| 40. c | 89. c | |
| 41. c | 90. b | |
| 42. b | 91. d | |
| 43. d | 92. a | |
| 44. a | 93. c | |
| 45. d | 94. d | |
| 46. a | 95. b | |
| 47. c | 96. c | |
| 48. b | 97. b | |
| 49. a | 98. c | |