

Self evaluation test-01

- Last vacation, my cousin came over to stay at my home. We made the most of her stay at my place... and I even earned a few chocolates. Every day, we would play a game of Chess. Whoever lost the game owed a chocolate to the other. After the last game we played (that was the day she was to leave), we counted the number of games each of us had won and lost. Wow! I had won more than her. So, she handed me 17 chocolates... though she herself was the winner in 8 games. How many days did my cousin spend at my place?
(A) 37 (B) 33
(C) 43 (D) 40
- In a town of 500 people, 285 read Hindu and 212 read Indian Express and 127 read Times of India 20 read Hindu and Times of India and 29 read Hindu and Indian Express and 35 read Times of India and Indian Express. 50 read no news paper. Then how many read only one paper?
(A) 55 (B) 45
(C) 65 (D) none of these
- One boy can eat 100 chocolates in half a minute, and another can eat half as many in twice the length of time. How many chocolates can both boys eat in 15 seconds?
(A) 60 (B) 55
(C) 52.5 (D) 62.5
- Three varieties of tea namely a, b and c costs Rs. 95/kg, 100/kg and 70/kg respectively. How many kg of each should be blended to produce 100 kg of mixture worth Rs. 90/kg, given that the quantities of 'b' and 'c' are equal?
(A) 70, 15, 15 (B) 50, 25, 25
(C) 60, 20, 20 (D) 40, 30, 30
- If all the 6 are replaced by 9, then the algebraic sum of all the numbers from 1 to 100 (both inclusive) varies by
(A) 332 (B) 330
(C) 430 (D) 323
- When a length of a rectangular plot is increased by Four times, its perimeter becomes 480 meters and area become 12800 sq meters. What was its original length (in metre)?
(A) 20 (B) 40
(C) 80 (D) 160
- A person drives from Delhi to Agra at speed of 20 km/h and returns back with speed of 30 km/h. The average speed of his journey will be (in km/h)
(A) 25 Km/h
(B) More Than 25km/h
(C) Less then 25km/h
(D) Can't be determined since distance between Delhi and Agra not given
- The percentage Profit earned by selling an article for Rs. 1920 is equal to the percentage loss incurred by selling the same article Rs. 1280. At what price article should be sold to make 25% . Profit
(A) Rs. 2200 (B) Rs. 2400
(C) Rs. 2000 (D) Rs. 2560
- Walking $\frac{3}{4}$ of the usual speed Harsh arrived at his office 25 minutes late. What was the usual time he had taken?
(A) 60 minutes (B) 80 minutes
(C) 75 minutes (D) 100 minutes
- By Selling an article for Rs 56 a Person earns a percentage profit equal to its cost price, then the cost price was
(A) Rs. 28 (B) Rs. 36
(C) Rs. 56 (D) Rs. 40
- In a town 65% people watched the news on television, 40% read a newspaper and 25% read a newspaper and watched the news on television also. What percent of the people neither watched the news on television nor read a news paper?
(A) 5 (B) 10
(C) 15 (D) 20
- A man sold two radio sets each for Rs 500. He earns profit of 20%, on the first radio set and loss of 20% on the other. His overall profit or loss percent on the whole transaction is
(A) No profit no loss
(B) 4 % profit
(C) 4 % loss
(D) 2 % loss
- The ratio between present ages of Harsh and Kanishk is 5:3. The ratio of Harsh's age 4 year ago and Kanishk's age after 4 year is 1:1. What is the ratio between Harsh's age after 4 year and Kanishk age 4 year ago ?
(A) 3:1 (B) 1:3
(C) 2:1 (D) 4:1
- The difference between simple interest and compound interest on a certain sum of money for 2 years at rate of 4% . Per annum is Rs. 40. Then the principle will be
(A) 400 (B) 12500
(C) 25000 (D) 2500
- A sum of money is to be distributed among A, B and C in the ratio 6: 19: 7. If C gives Rs. 200 from his share to B. The ratio of A, B and C becomes 3:10:3. What is the total sum?
(A) 3200 (B) 6400
(C) 12800 (D) data inadequate
- If the length of a rectangle increased by 40% and breadth is decreased by 30%. Then change in area of rectangle shows
(A) 2% increase
(B) 4% increase

- (C) 2% decrease
(D) 4% decrease
17. Out of forty students, there are 14 who are taking Physics and 29 who are taking Calculus. What is the probability that a randomly chosen student from this group is taking only the Calculus class?
(A) 0.55 (B) 0.725
(C) 0.65 (D) 0.2
18. 97 baseball teams participate in an annual state tournament. The champion is chosen for this tournament by the usual elimination scheme. That is, the 97 teams are divided into pairs, and the two teams of each pair play against each other. The loser of each pair is eliminated, and the remaining teams are paired up again and so on. How many games must be played to determine a champion?
(A) 96 (B) 76
(C) 86 (D) 80
19. A pipe can fill an empty tank in 8 hours, another can fill it in 10 hours. But there is a hole at the bottom of the tank which makes the full tank empty in 6 hours. If both pipes are opened together, in how many hours an empty tank will be filled.
(A) $117/7$ hr (B) $120/7$ hr
(C) $115/7$ hr (D) 20 hr
20. A mountain goat attempts to scale a cliff 60 feet high. Every minute, the goat bounds upward 3 feet but slips back 2. How long does it take for the goat to reach the top?
(A) 48 minutes (B) 60 minutes
(C) 58 minutes (D) 68 minutes
21. A man swims at a speed of 16 km/h upstream and 20 km/h downstream. What is the speed of current of water?
(A) 18 km/h (B) 4 km/h
(C) 1 km/h (D) 2 km/h
22. Farhan Town and Rajuville are 81 miles apart. Farhan travels at 8 miles per hour from Farhan Town to Rajuville, while a Raju travels at 1 mile per hour from Rajuville to Farhan town. If both set out at the same time, how many miles will Farhan have to travel before meeting Raju en route?
(A) 41 (B) 36
(C) 72 (D) 90
23. The average temperature of days from Monday to Wednesday is 37 degree Celsius and that from Tuesday to Thursday is 34 degrees. The temperature of Thursday is $4/5$ th of Monday. Then the temperature of Thursday is
(A) 30 degrees (B) 31 degrees
(C) 26 degrees (D) 36 degrees
24. A cube of 12 mm is painted on all its side. It is made up of small cubes of side 3mm. If the big cube is split into those small cubes, the number of cubes that remain unpainted is
(A) 8 (B) 7
(C) 9 (D) 10
25. B is 50% faster than A. A travels at a speed of 50 km/hr. A and B are 300 km apart. If A starts at 9 A.M. and B starts at 10 A.M. The time when they meet travelling in opposite direction is ?
(A) 1 P.M (B) 12 A.M
(C) 2 P.M (D) 11.30 A.M
26. A man jogs at 6 mph over a certain journey and walks over the same route at 4 mph. What is his average speed for the journey?
(A) 2.4 mph (B) 4 mph
(C) 4.8 mph (D) 5 mph
27. If the product of 2 numbers is 48 and when the larger number is divided by the smaller, the quotient is 3. What are the numbers?
(A) 4 and 12 (B) 3 and 16
(C) 6 and 8 (D) None
28. At a family reunion had the following people: one grandfather, one grandmother, two fathers, two mothers, four children, three grandchildren, one brother, two sisters, two sons, two daughters, one father-in-law, one mother-in-law, and one daughter-in-law. But not as many people attended as it sounds. How many were there?
(A) 9 (B) 7
(C) 8 (D) 6
29. A drove of sheep and chickens have a total of 99 heads and feet. There are twice as many chickens as sheep. How many of each are there?
(A) Nine sheep and eighteen chickens
(B) Eight sheep and sixteen chickens.
(C) Seven sheep and fourteen chickens
(D) None
30. On a man's tombstone, it is said that one sixth of his life was spent in childhood and one twelfth as a teenager. One seventh of his life passed between the time he became an adult and the time he married; five years later, his son was born. Alas, the son died four years before he died. He lived to be twice as old as his son did. At what age did the man die?
(A) 74 years (B) 72 years
(C) 84 years (D) 80 years
31. There are 6561 balls out of them 1 is heavy. Find the min. number of times the balls have to be weighed for finding out the heavy ball.
(A) 6 (B) 8
(C) 22 (D) Can't determine
32. Every day a cyclist meets a train at a particular crossing. The road is straight before the crossing and both are traveling in the same direction. The cyclist travels with a speed of 10 Km/h. One day the cyclist comes late by 5 min. and meets the train 5km before the crossing. What is the speed of the train?

- (A) 60 km/h (B) 70 km/h
(C) 55 km/h (D) 64 km/h
33. A beggar has 50 coins with an amount of Rs. 15 in the denomination of 25 paise and 50 paise. How many 25 paise coins are there with the beggar
(A) 25 (B) 40
(C) 30 (D) 36
34. By selling an article a person earns 20% Profit on his selling price after giving 20% discount. What is his actual percentage of profit.
(A) 20% (B) 30%
(C) 25% (D) 40%
35. If $\log 100=2$, Then $\log 1000 =$
(A) 20 (B) 4
(C) 3 (D) can't determine
36. Buy two get one free what is the percentage discount offered here?
(A) 25% (B) 33.33%
(C) 50% (D) 66.66%
37. The value of expression

$$\frac{(2.33 \times 2.33 \times 2.33 - 1.33 \times 1.33 \times 1.33)}{(2.33 \times 2.33 + 2.33 \times 1.33 + 1.33 \times 1.33)}$$
 (A) 3.66 (B) 1
(C) 2 (D) 0
38. A girl has 4 boys and 3 girls as her friends. She wants to invite 5 of them at a dinner party. But Miss P says, if Mr. R will join the party then she will not join the party. Miss L and Mr. M agreed that either both will join or none will join. In how many ways the girl can hold the dinner party successfully.
(A) 6
(B) 120
(C) 7
(D) not possible to hold the party
39. If I walk at 30 miles/hr I reach 1 hour before and if I walk at 20 miles/hr I reach 1 hour late. Find the distance between 2 points.
(A) 100 miles (B) 90 miles
(C) 80 miles (D) 120 miles
40. In a class there are less than 500 students. When total number of students is divided by 3 it gives a whole number. Similarly when it is divided by 4, 5 or 7 it gives a whole number. Find the number of students in the class
(A) 520 (B) 240
(C) 420 (D) 542
41. At 6 o'clock the clock ticks 6 times. The time between first and last ticks was 30sec. How much time it takes at 12 o'clock?
(A) 56 sec. (B) 76 sec.
(C) 60sec. (D) 66 sec.
42. Joe's age, Joe's sister's age and Joe's father's age sums up to a century. When Joe's sister will be as old as his father now, Joe will be twice as old as now. When Joe is as old as his father now, then his sister will be twice as old as her present age now. Then the present age of sister is
(A) 50 (B) 20
(C) 30 (D) 60
43. A family I know has several children. Each boy in this family has as many sisters as brothers but each girl has twice as many brothers as sisters. How many brothers and sisters are there?
(A) 4 boys and 3 girls
(B) 3 boys and 4 girls
(C) 3 boys and 3 girls
(D) 4 boys and 4 girl
44. Three friends divided some bullets equally. After all of them shot 4 bullets the total number of remaining bullets is equal to that of one has after division. Find the original number divided.
(A) 48 (B) 81
(C) 63 (D) 18
45. Mona speaks 60 % truth while Leena speaks 70 % truth, what is the probability that they will contradict each other about same fact.
(A) 46% (B) 10%
(C) 30% (D) 42%
46. A ship went on a voyage. After the ship has travelled 180 miles, a plane started with speed 10 times that of the ship. Find the distance when they meet from starting point.
(A) 220 miles (B) 250 miles
(C) 200 miles (D) 240 miles
47. A man sold two cows for Rs. 210 at a total profit of 5%. He sold one cow at a loss of 10% and another at a profit of 10%. What is the price of each cow?
(A) Rs. 150 and Rs. 50
(B) Rs. 160 and Rs. 40
(C) Rs. 140 and Rs. 60
(D) Rs. 155 and Rs. 45
48. The angles of a quadrilateral are in arithmetic progression with common difference 10° . Then the greatest angle of quadrilateral will be
(A) 100° (B) 105°
(C) 110° (D) 95°
49. In how many ways a seven member committee can be seated around a circular table such that Vice President and Secretary must be seated either side of President.
(A) 24 (B) 720
(C) 120 (D) 48
50. A man borrows Rs.3600 and agrees to pay in 40 installments which are in Arithmetic Progression. After paying 30 installments he died and one-third of amount remains unpaid. The amount of installment due just after his death was
(A) 1200 (B) 101
(C) 111 (D) 51

1.b	18.a	35.c
2.d	19.b	36.b
3.d	20.c	37.b
4.b	21.d	38.c
5.b	22.c	39.d
6.b	23.d	40.c
7.c	24.a	41.d
8.c	25.b	42.c
9.c	26.c	43.a
10.d	27.a	44.d
11.d	28.b	45.a
12.c	29.a	46.c
13.a	30.c	47.a
14.c	31.b	48.b
15.b	32.b	49.d
16.c	33.b	50.c
17.c	34.c	