TPC test-15

Q1. The MRP of an article is Rs. 6650. There is a rebate of 6% on it. After getting the rebate, a man pays sales tax at 10%. Find the amount he will have to pay for the goods.

(a) Rs. 6876.10   (b) Rs. 6999.20   (c) Rs. 6654   (d) Rs. 7000

Q2. In a mixture 120 litres, the ratio of milk and water 2 : 1. If this ratio is to be 1 : 2, then the quantity of water to be further added is:

(a) 120 litres   (b) 130 litres   (c) 140 litres   (d) 160 litres

Q3. If the average marks of three batches of 55, 60 and 45 students respectively is 50, 55, 60, then the average marks of all the students is:

(a) 53.33   (b) 54.68   (c) 55   (d) None of these

Q4. The salary of an employee is increased from 1,75,000 to 2,62,500 in a decade. The average percent increase of salary per year is:

(a) 4.37%   (b) 5%   (c) 6%   (d) 8.75%

Q5. By selling 21 articles there is a loss of selling price of 3 articles. Find the loss percent?

(a) 12.5%   (b) 14.28%   (c) 16.66%   (d) None of these

Q6. Seats for Mathematics, Physics and Biology in a school are in the ratio 5 : 7 : 8. There is a proposal to increase these seats by 40%, 50% and 75% respectively. What will be the ratio of increased seats?

(a) 2 : 3 : 4   (b) 6 : 7 : 8   (c) 6 : 8 : 9   (d) None of these

Q7. By selling 90 balls for ₹72 a person loses 20%. How many balls should be sold for ₹24 so as to have a profit of 20%?

(a) 18   (b) 20   (c) 24   (d) None of these

Q8. The average weight of A, B and C is 4.5 kg. If the average weight of A and B be 4.0 kg and that of B and C be 4.3 kg, then the weight of B is:

(a) 1.7 kg   (b) 2.0 kg   (c) 2.6 kg   (d) 3.1 kg

Q9. Sameer started a business by investing Rs. 50,0000. After six months, Naresh joined him with a capital of Rs. 80,0000. After 3 years, they earned a profit of Rs. 24,5000. What was Sameer share in the profit?

(a) Rs. 94230   (b) Rs. 102500   (c) Rs. 125000   (d) Rs. 105000

Q10. Due to decrease in the price of sugar by 20%, a man able to buy 20 kg more in Rs. 200. Find the reduced price of the sugar per kg?

(a) 2/kg   (b) 8/kg   (c) 10/kg   (d) None of these

Q11. Two employees X and Y are paid a total of Rs. 1650 per week by their employer. If X is paid 20% more than the sum paid to Y, how much is Y paid per week?

(a) Rs. 600   (b) Rs. 750   (c) Rs. 900   (d) None of these

Q12. Gauri went to the stationers and bought things worth Rs. 25, out of which 30 paise went on sales tax on taxable purchases. If the tax rate was 6%, then what was the cost of the tax free items?

(a) Rs. 15   (b) Rs. 15.70   (c) Rs. 19.70   (d) Rs. 20

Q13. The MRP of a racket is Rs. 300. A shopkeeper allowed a discount of 15% and gives a shuttle cock free costing Rs. 15, still gain 20%. Find the cost price of the racket?

(a) RS. 200   (b) Rs. 192   (c) Rs. 240   (d) None of these

Q14. The average age of three boys is 20 years and 3 years ago their ages were in proportion

7 : 4 : 6. What is the age in years of the youngest boy?

(a) 21 years   (b) 12 years   (c) 15 years   (d) 18 years

Q15. A bag contains 50 p, 25 p, and 10 p coins in the ratio 5: 9 : 4, amounting to Rs. 412. Find the number of coins of 25 p .
(a) 400   (b) 720   (c) 320   (d) None of these

Q16. Two trains are moving in opposite directions at 60 km/hr and 90 km/hr. Their lengths are 1100 m and 900 m respectively. The time taken by the slower train to cross the faster train in seconds is:

(a) 36   (b) 45   (c) 48   (d) 49

Q17. A train 110 metres long is running with a speed of 60 kmph. In what time will it pass a man who is running at 6 kmph in the direction opposite to that in which the train is going?

(a) 5 sec   (b) 6 sec   (c) 7 sec   (d) 10 sec

Q18. A parallelogram, the length of whose sides are 12 cm and 8 cm has one diagonal 10 cm long. The length of the other diagonal is:

(a) 8.89 cm   (b) 17.78 cm   (c) 18.18 cm   (d) 9.00 cm   (e) None of these

Q19. Two dices are thrown randomly . find the probability of getting a some equal to 0?

(a) 1/36   (b) 1/12   (c) Data inadequate   (d) None of these

Q20. Find the largest number of 3 digits which is a perfect square?

(a) 944   (b) 996   (c) 961   (d) None of these

Direction : Each of the following questions is based on the following information:

1. 8-trees → mango, guava, papaya, pomegranate, lemon, banana, raspberry and apple are in two rows 4 in each facing North and South.
2. Lemon is between mango and apple but just opposite to guava.
3. Banana is at one end of a line and is just next in the right of guava or either banana tree is just after guava tree.
4. Raspberry tree which at one end of a line, is just diagonally opposite to mango tree.

Q21. Which of the following statements is definitely true?

(a) Papaya tree is just near to apple tree.

(b) Apple tree is just next to lemon tree.

(c)Raspberry tree is either left to Pomegranate or after.

(d) Pomegranate tree is diagonally opposite to banana tree.

Q22. Which tree is just opposite to raspberry tree?

(a) Papaya   (b) Pomegranate   (c) Papaya or Pomegranate   (d) Data is inadequate

Q23. Which tree is just opposite to banana tree?

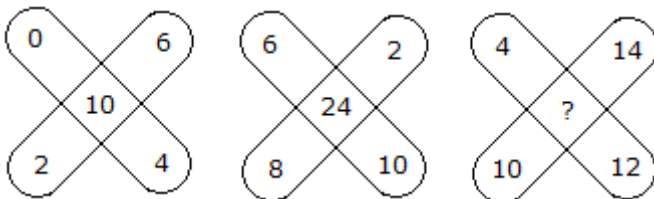(a) Mango   (b) Pomegranate   (c) Papaya   (d) Data is inadequate

Q24. There are deer and peacocks in a zoo. By counting heads they are 80. The number of their legs is 200. How many peacocks are there ?

(a) 20   (b) 30   (c) 50   (d) 60

Q25. A man wears socks of two colours - Black and brown. He has altogether 20 black socks and 20 brown socks in a drawer. Supposing he has to take out the socks in the dark, how many must he take out to be sure that he has a matching pair ?
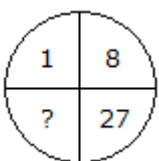
(a) 3   (b) 20   (c) 39   (d) None of these

Q26. Which one will replace the question mark ?

(a) 36   (b) 48   (c) 38   (d) 30

Q27. Which one will replace the question mark ?

(a) 41   (b) 64   (c) 35   (d) 61

Q28. Arrange the words given below in a meaningful sequence.

1. Cut	2. Put on	3. Mark
4. Measure	5. Tailor	

(a) 3, 1, 5, 4, 2   (b) 2, 4, 3, 1, 5   (c) 1, 3, 2, 4, 5   (d) 4, 3, 1, 5, 2

Q29. Arrange the words given below in a meaningful sequence.

1. Wall	2. Clay	3. House
4. Room	5. Bricks	

(a) 5, 2, 1, 4, 3   (b) 2, 5, 4, 1, 3   (c) 2, 5, 1, 4, 3   (d) 1, 2, 3, 4, 5

Q30. Choose the alternative which is closely resembles the water-image of the given combination.

ab45CD67
(1) ap42CDe1   (2) 9p42CDe1
(3) 6p42CD91   (4) 9p42CDe1

(a) 1   (b) 2   (c) 3   (d) 4

Q31. If the water image of the clock shows time 6 hours 18 minutes, then what will be the actual time?

(a) 11 hours 15 minutes   (b) 12 hours 12 minutes   (c) 11 hours 18 minutes

(d) 11 hours 12 minutes   (e) None

Q32. During the past year, Josh saw more movies than Stephen.
Stephen saw fewer movies than Darren.
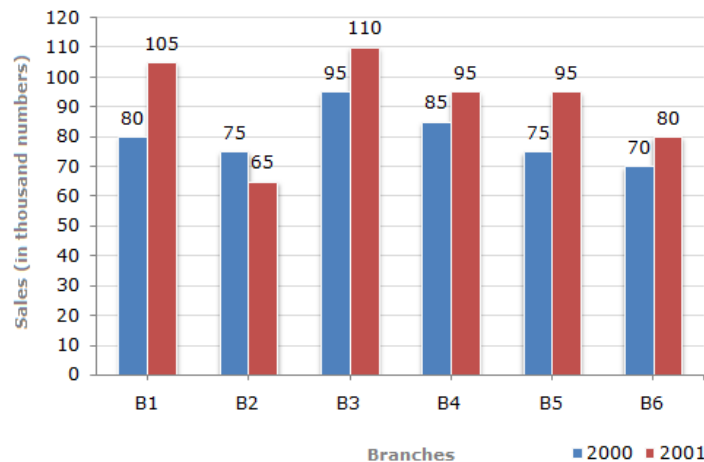Darren saw more movies than Josh.
If the first two statements are true, the third statement is

(a) true   (b) false   (c) uncertain

Directions : The bar graph given below shows the sales of books (in thousand number) from six branches of a publishing company during two consecutive years 2000 and 2001.
Sales of Books (in thousand numbers) from Six Branches - B1, B2, B3, B4, B5 and B6 of a publishing Company in 2000 and 2001.

Q33. What is the ratio of the total sales of branch B2 for both years to the total sales of branch B4 for both years?

(a) 2:3   (b) 3:5   (c) 4:5   (d) 7:9

Q34. Total sales of branch B6 for both the years is what percent of the total sales of branches B3 for both the years?

(a) 68.54%   (b) 71.11%   (c) 73.17%   (d) 75.55%

Q35. What percent of the average sales of branches B1, B2 and B3 in 2001 is the average sales of branches B1, B3 and B6 in 2000?

(a) 75%   (b) 77.5%   (c) 82.5%   (d) 87.5%

Q36. What is the average sales of all the branches (in thousand numbers) for the year 2000?

(a) 73   (b) 80   (c) 83   (d) 88

Q37. Total sales of branches B1, B3 and B5 together for both the years (in thousand numbers) is?

(a) 250   (b) 310   (c) 435   (d) 560

Directions : Each of these questions is based on the following information:

1. A + B means A is the mother of B.
2. A - B means A is the sister of B.
3. A * B means A is the father of B.
4. A β B means A is the brother of B.

Q38. Which of the following means Q is the grandfather of P?

(a) P + N * M * Q   (b) Q * N * M + P   (c) Q β M β N * P   (d) None of these

Q39. Which of the following means that N is the maternal uncle of M?

(a) N β P - L + E – M   (b) N - Y + A β M   (c) M - Y * P – N   (d) N β C + F * M

Q40. In a certain code language, 'DKQX' is written as 'WPJC'. How will 'AFKP' be written as in that language?

(a) ZTOK   (b) ZUQI   (c) ZUPK   (d) ZIPK

Answer key

1	A	9	D	17	B	25	A	33	D
2	A	10	A	18	B	26	C	34	C
3	B	11	B	19	D	27	B	35	d
4	B	12	C	20	C	28	D	36	B
5	A	13	A	21	B	29	C	37	D
6	A	14	C	22	C	30	B	38	D
7	B	15	B	23	A	31	D	39	A
8	D	16	C	24	D	32	C	40	C