

TPC test-17

Q1. The largest 4 digit number exactly divisible by 88 is:

- (a) 9944 (b) 9768 (c) 9988 (d) None of these

Q2. Three students contested an election and received 12000, 5000 and 10000 votes, respectively. What is the percentage of the total votes the winning student gets?

- (a) 44.44% (b) 50% (c) 60% (d) 40%

Q3. A, B and C take 20, 30 and 60 days respectively to do a piece of work. How many days will it take A to complete the entire work if he is assisted by B and C every third day?

- (a) 10 days (b) 15 days (c) 25 days (d) 30 days (e) 45 days

Q4. Fresh fruit contains 68% water and dry fruit contains 20% water. How much dry fruit can be obtained from 100 kg of fresh fruits ?

- (a) 20 (b) 30 (c) 40 (d) 50

Q5. A milkman purchases the milk at Rs. 50 per litre and sells it at Rs. 100 per litre still he mixes 2 litres water with every 6 litres of pure milk. What is the profit percentage?

- (a) 116% (b) 166.66% (c) 60% (d) 100%

Q6. The annual incomes of A and B are in the ratio 3 : 4 and their annual expenditures are in the ratio 5 : 7. If each saves Rs. 5,000: find their annual incomes.

- (a) Rs. 30000 (b) Rs. 40000 (c) Rs. 50000 (d) None of these

Q7. The mean of 25 numbers is 72. If the mean of the first 13 numbers is 64 and that of the last 13 numbers is 78, find the 13th number.

- (a) 23 (b) 46 (c) data insufficient (d) None of these

Q8. A is 20% more than B, B is 25% more than C, C is 60% less than D and D is 20% more than E. Based on the above information, which of the following is true?

- (a) C is 24% less than A (b) A is 40% less than D (c) E is 28% more than A
(d) D is 60% less than B (e) More than one of the above

Q9. A and B invest Rs. 4000 and Rs. 5000 respectively in a business. A invest his capital for 10 years while B invest his capital for 12 years. If they decided that they give 25% of the total profit to charity and the rest amount divided in proportion to their capitals. B's share at the end is Rs. 450, Then find the total profit.

- (a) Rs. 1200 (b) Rs. 1500 (c) Rs. 1000 (d) Rs. 1800 (e) Rs. 2000

Q10. Speed of boat with the stream and against the stream is 24 km/hr and 12 km/hr respectively. Find the approximate speed of boat in still water in m/s?

- (a) 4.5 m/s (b) 5 m/s (c) 9 m/s (d) 8 m/s

Q11. The ratio of salaries of A and B is 6 : 7 respectively. If B's salary is increased by 15% , his total salary becomes Rs. 1,61,000. Find the salary of A?

- (a) Rs. 1,10,000 (b) Rs. 1,20,000 (c) Rs. 1,40,000 (d) Rs. 1,35,000

Q12. In what time will the simple interest be $\frac{3}{5}$ of the principle at 5 percent per annum ?

- (a) 8 years (b) 7 years (c) 5 years (d) 12 years

Q13. The average temperature for Monday, Tuesday, Wednesday and Thursday was 38 degrees and for Tuesday, Wednesday, Thursday and Friday was 36 degrees. If the temperature on Monday was 40 degrees. Find the temperature on Friday ?

- (a) 32 (b) 36 (c) 38 (d) 40

Q14. P can complete a work in 12 days working 8 hours a day. Q can complete the same work in 8 days working 10 hours a day. If both P and Q work together, working 8 hours a day, in how many days can they complete the work?

- (a) $5\frac{5}{11}$ days (b) $5\frac{6}{11}$ days (c) $6\frac{5}{11}$ days (d) $6\frac{6}{11}$

Q15. If selling price is doubled, the profit triples. Find the profit percent ?

- (a) 100% (b) 200% (c) 300% (d) 400%

Q16. The ratio of Sanam's age 4 years ago and Vishal's age after 4 years is 1 : 1. Presently, the ratio of their ages is 5 : 3. Find the ratio between Sanam's age 4 years hence and Vishal's age 4 years ago.

- (a) 1 : 3 (b) 3 : 1 (c) 4 : 3 (d) 3 : 4

Q17. A and B together can finish a piece of work in 25 days. They started working together, and worked for 15 days, Then A left, B completed the remaining work in 30 days. Find the ratio of efficiency of A and B?

- (a) 1 : 2 (b) 2 : 1 (c) Data inadequate (d) None of these

Q18. A sum of money at compound interest become triples itself in 12 years. In how many years it will become 27 times?

- (a) 24 years (b) 30 years (c) 36 years (d) None of these

Q19. A man walking at 5 km/hour noticed that a 225 m long train coming in the same direction crossed him in 9 seconds. The speed of the train is:

- (a) 75 kmph (b) 90 kmph (c) 85 kmph (d) None of the above

Q20. The LCM of two numbers is 4225 and the HCF is 13. If one number is 169. Then the other number is?

- (a) 325 (b) 625 (c) 525 (d) None of the above

Q21. What is the probability of getting a sum of 9 from two throws of a dice?

- (a) $\frac{1}{6}$ (b) $\frac{1}{8}$ (c) $\frac{1}{9}$ (d) $\frac{1}{12}$

Directions (22-24) : Each of the following questions is based on the following information:

1. A # B means B is at 1 metre to the right of A.
2. A \$ B means B is at 1 metre to the North of A.
3. A * B means B is at 1 metre to the left of A.
4. A @ B means B is at 1 metre to the south of A.
5. In each question first person from the left is facing North.

Q22. According to X @ B * P, P is in which direction with respect to X?

- (a) North (b) South (c) North-East (d) South-West

Q23. According to M # N \$ T, T is in which direction with respect to M?

- (a) North-West (b) North-East (c) South-West (d) South-East

Q24. According to P # R \$ A * U, in which direction is U with respect to P?

- (a) East (b) West (c) North (d) South

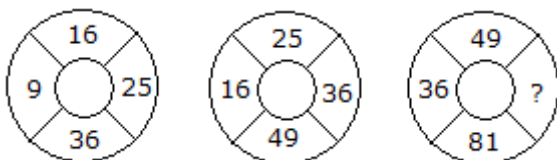
Q25. A waiter's salary consists of his salary and tips. During one week his tips were $\frac{5}{4}$ of his salary. What fraction of his income came from tips ?

- (a) $\frac{4}{9}$ (b) $\frac{5}{4}$ (c) $\frac{5}{8}$ (d) $\frac{5}{9}$

Q26. If you write down all the numbers from 1 to 100, then how many times do you write 3 ?

- (a) 11 (b) 18 (c) 20 (d) 21

Q27. Which one will replace the question mark ?



- (a) 64 (b) 144 (c) 169 (d) 25

Directions Q28: In each of the following questions two statements are given. Which are followed by four conclusions (1), (2), (3) and (4). Choose the conclusions which logically follow from the given statements.

Q28. Statements: All the phones are scales. All the scales are calculators.

Conclusions:

1. All the calculators are scales.

2. All the phones are calculators
 3. All the scales are phones.
 4. Some calculators are phones.
- (a) Only (1) and (4) (b) Only (3) and (4) (c) Only (2) and (4)
(d) Only (1) and (2) (e) Only (1) and (3)

Q29. Amit started walking positioning his back towards the sun. After some time, he turned left, then turned right and towards the left again. In which direction is he going now?

- (a) North or South (b) North or West (c) East or West (d) South or West

Q30. The length and breadth of a room are 8 m and 6 m respectively. A cat runs along all the four walls and finally along a diagonal order to catch a rat. How much total distance is covered by the cat?

- (a) 10 (b) 14 (c) 38 (d) 48

Q31. Choose the alternative which is closely resembles the water-image of the given combination.

QUARREL

- (1) QUAEREL (2) QUARRER
(3) QUAEREL (4) QUARRER

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

Q32. All the offices on the 9th floor have wall-to-wall carpeting.

No wall-to-wall carpeting is pink.

None of the offices on the 9th floor has pink wall-to-wall carpeting.

If the first two statements are true, the third statement is

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

Q33. If $A + B$ means A is the sister of B; $A \times B$ means A is the wife of B, $A \% B$ means A is the father of B and $A - B$ means A is the brother of B. Which of the following means T is the daughter of P?

- (a) $P \times Q \% R + S - T$ (b) $P \times Q \% R - T + S$ (c) $P \times Q \% R + T - S$ (d) $P \times Q \% R + S + T$

Q34. Find the next number in the series: 2, 6, 12, 20, ?

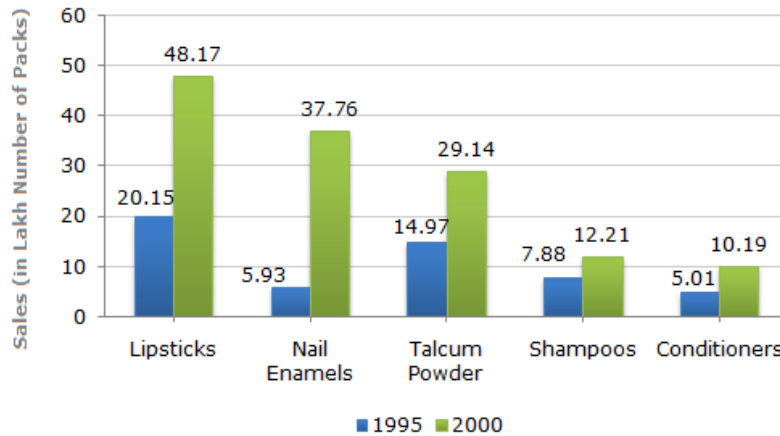
- (a) 28 (b) 30 (c) 32 (d) 36

Q35. Find the next number in the series: 4, 9, 6, 11, 8, ?

- (a) 7 (b) 12 (c) 13 (d) 9

Directions (36 -40): A cosmetic company provides five different products. The sales of these five products (in lakh number of packs) during 1995 and 2000 are shown in the following bar graph.

Sales (in lakh number of packs) of five different products of Cosmetic Company during 1995 and 2000



Q36. The sales of lipsticks in 2000 was by what percent more than the sales of nail enamels in 2000? (rounded off to nearest integer)

- (a) 33% (b) 31% (c) 28% (d) 22%

Q37. During the period 1995-2000, the minimum rate of increase in sales is in the case of?

- (a) Shampoos (b) Nail enamels (c) Talcum powders (d) Lipsticks

Q38. What is the approximate ratio of the sales of nail enamels in 2000 to the sales of Talcum powders in 1995?

- (a) 7:2 (b) 5:2 (c) 4:3 (d) 2:1

Q39. The sales have increase by nearly 55% from 1995 to 2000 in the case of?

- (a) Lipsticks (b) Nail enamels (c) Talcum powders (d) Shampoos

Q40. The sales of conditioners in 1995 was by what percent less than the sales of shampoos in 1995? (rounded off to nearest integer)

- (a) 57% (b) 36% (c) 29% (d) 25%

Answer key

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

