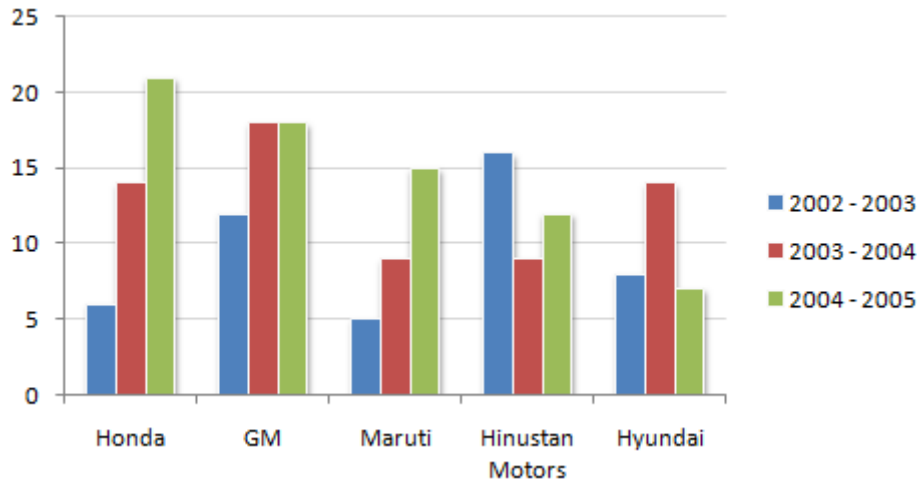# TPC test-3

Directions (1-3): The following chart shows the production of cars in thousands.

Production of Cars for 2002 - 2005 period from the Selected Manufacturers

Q1. How many companies have shown production below their average production in 2002 - 2003, but have showed above the average production in 2003 - 2004?

(a) One   (b) Two   (c) Three   (d) Four

Q2. The ratio of Hindustan Motors production in 2003 - 2004 to Honda's production in 2002 - 2003 is?

(a) 0.66   (b) 1.5   (c) 2   (d) None of these

Q3. For how many companies has there been no decrease in production in any year from the previous year?

(a) One   (b) Two   (c) Three   (d) Four

Q4. The average age of Akash, Suman and Rakesh was 46 years at the time of marriage of the Rakesh. If Rakesh married with Neha and after 2 years they become parents and after 5 years of their marriage, the average age of the all 5 members becomes 37.8 years. Find the age of the Neha at the time of the marriage?

(a) 26 years   (b) 28 years   (c) 27 years   (d) 29 years

Q5. Weight of Akash is 20% more than weight of Bipasha, whose weight is 30% more than weight of Cindrela. By how much percent weight of Akash is more than weight of Cindrella?

(a) 44   (b) 69   (c) 56   (d) 35.89

Q6. The ratio of marks obtained by P and Q in external exams are in the ratio 12:17. If their internal marks also included there total marks will be equal. Find the internal marks of P and Q ?

(a) 16, 12   (b) 20, 25   (c) 16, 6   (b) 12, 15

Q7. A shopkeeper bought toffees at 6 for a rupee. How many for a rupee must he sell to gain 50%?

(a) 3   (b) 4   (c) 5   (d) 6

Q8. Let N be the greatest number that will divide 1305, 4665 and 6905, leaving the same remainder in each case. Then sum of the digits in N is:

(a) 4   (b) 5   (c) 6   (d) 8

Q9. In a medical shop, 20% of the medicines are ayurvedic.50% of the remaining are allopathic and 30% of the remaining are homeopathic .The remaining 12,600 medicines are in naturopathy. What is the total number of medicines in the medical shop?

(a) 36,000   (b) 40,000   (c) 45,000   (d) None of these

Q10. The reduction of 15% in the price of salt enables a person to buy 2 kg more for ₹272. The reduced price of salt per kg (in ₹) is:

(a) 22.16   (b) 24.25   (c) 20.40   (d)25.00

Q11. The captain of cricket team is 24 years old and wicket keeper is 3 years older. If the ages of these two are excluded, the average age of remaining players will be 1 year less than the original average. Find the average of the team ?

(a) 20 years   (b) 21 years   (c) 22 years   (d) 23 years

Q12. The monthly expenses of a person are more than her monthly savings. If her monthly income increases by 44% and her monthly expenses increase by 60%, then there is an increase of Rs. 1,040 in her monthly savings. What is the initial expenditure (in Rs.)?

(a) 13,000   (b) 10,000   (c) 12,000   (d) 9,000

Q13. The average of 9 consecutive odd numbers is 44. Find the largest number?

(a) 49   (b) 50   (c) Data inadequate   (d) None of these

Q14. Three persons A, B and C donate 10%, 7% and 9% respectively of their monthly salaries to a charitable trust. Monthly salaries of A and B are equal and the difference between the donations of A and B is Rs. 900. If the total donation by A and B is Rs. 600 more than that of C, then what is the monthly salary (in Rs.) of C?

(a) 45000   (b) 55000   (c) 50000   (d) 60000

Q15. The average monthly income of P and Q is Rs. 5,050. The average monthly income of Q and R is Rs. 6,250 and the average monthly income of P and R is Rs. 5,200. The monthly income of P is

(a) Rs. 3,500   (b) Rs. 4,050   (c) Rs. 4,000   (d) Rs. 5,000   (e) None of the above

Q16. The sum of three positive numbers is 339. If the ratio of the first number to the second number is 3 : 7, and that of the second number to the third number is 5 : 9, then the second number is:

(a) 105   (b) 115   (c) 125   (d) 95

Q17. A train 125 m long passes a man, running at 5 km/hr in the same direction in which the train is going, in 10 seconds. The speed of the train is:

(a) 45 km/hr   (b) 50 km/hr   (c) 54 km/hr   (d) 55 km/hr

Q18. The cost price of 20 articles is the same as the selling price of *x* articles. If the loss is 20%, then the value of *x* is:

(a) 15   (b) 16   (c) 18   (d) 25

Q19. The product of two numbers is 2028 and their H.C.F. is 13. The number of such pairs is:

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

Q20. A man has Rs.480 in the denominations of one-rupee notes, five-rupee notes and ten-rupee notes. The number of notes of each denomination is equal. What is the total number of notes that he has ?

(a) 45   (b) 60   (c)75   (d) 90

Q21. 3 pumps, working 8 hours a day, can empty a tank in 2 days. How many hours a day must 4 pumps work to empty the tank in 1 day?

(a) 9   (b) 10   (c) 11   (d) 12

Q22. The difference between simple and compound interests compounded annually on a certain sum of money for 2 years at 4% per annum is Re. 1. The sum (in Rs.) is:

(a) 625   (b) 630   (c) 640   (d) 650

Q23. Akash began a business with Rs. 85,000. He was joined afterwards by Brijesh with Rs. 42,500. For how much period does Brijesh join, if the profits at the end of the year are divided in the ratio of 3 : 1?

(a) 4 months   (b) 5 months   (c) 6 months   (d) 8 months

Q24. In what ratio must a grocer mix two varieties of tea worth Rs. 60 a kg and Rs. 65 a kg so that by selling the mixture at Rs. 68.20 a kg he may gain 10%?

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

Q25. A bag contains 2 red, 3 green and 2 blue balls. Two balls are drawn at random. What is the probability that none of the balls drawn is blue?

(a) $\frac{10}{21}$ (b) $\frac{11}{21}$ (c) $\frac{2}{7}$ (d) $\frac{5}{7}$

Q26. In a family, each daughter has the same number of brothers as she has sisters and each son has twice as many sisters as he has brothers. How many sons are there in the family ?

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

Q27. At a dinner party every two guests used a bowl of rice between them, every three guests used a bowl of dal between them and every four used a bowl of meat between them. There were altogether 65 dishes. How many guests were present at the party?

(a) 60   (b) 65   (c) 90   (d) None of these

Q28. In the following question, arrange the given words in a meaningful sequence and thus find the correct answer from alternatives.

Arrange the words given below in a meaningful sequence.

1. Income	2. Status	3. Education
4. Well-being	5. Job	

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

Directions (29-30) : In each of the following questions there are three statements. Which are followed by three or four conclusions. Choose the conclusions which logically follow from the given statements.

Q29. Statements: All the locks are keys. All the keys are bats. Some watches are bats.
Conclusions:
1. Some bats are locks.

2. Some watches are keys.

3. All the keys are locks.

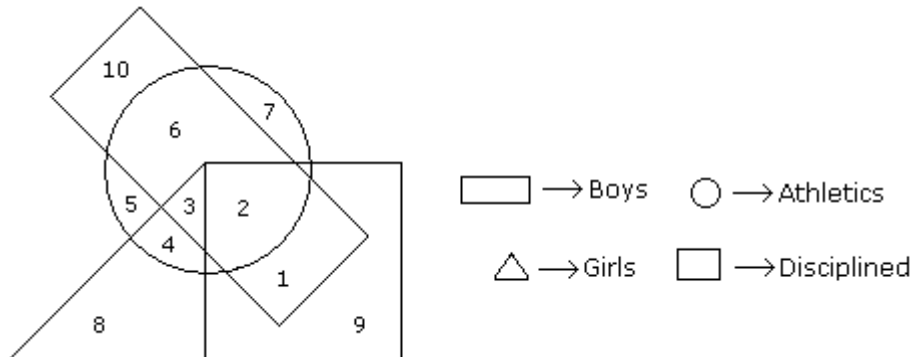(a) Only (1) and (2)   (b) Only (1)   (c) Only (2)   (d) Only (1) and (3)

Q30. **Statements:** Some keys are staplers. Some staplers are stickers. All the stickers are pens.
Conclusions:
1. Some pens are staplers.

2. Some stickers are keys.

3. No sticker is key.

4. Some staplers are keys.

(a) Only (1) and (2)   (b) Only (2) and (4)   (c) Only (2) and (3)

(d) Only (1) and (4) and either (2) or (3)

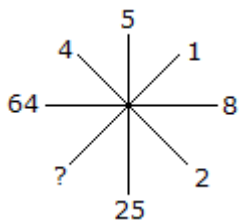Q31. In the following diagram the boys who are athletic and are disciplined are indicated by which number?

□ → Boys   ○ → Athletics
△ → Girls   ▢ → Disciplined

(a) 1   (b) 2   (c) 10   (d) 6

Q32. In the following question consists of pair of words bearing a relationship among these, from amongst the alternatives, pick up the pair that best illustrate a similar relationship.

Lively : Dull
(a) Employed : Jobless   (b) Flower : Bud   (c) Factory : Labour   (d) Happy : Gay

Q33. Which one will replace the question mark?

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

Q34. Choose the word which is different from the rest.

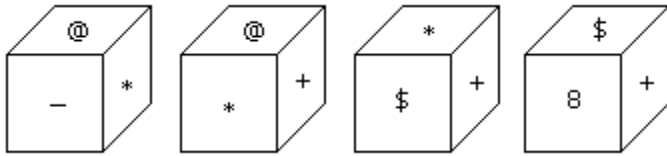(a) Potassium   (b) Silicon   (c) Zirconium   (d) Gallium   (e) Germanium

Q35. Pointing a photograph X said to his friend Y, "She is the only daughter of the father of my mother." How X is related to the person of photograph?

(a) Daughter   (b) Son   (c) Nephew   (d) Cannot be decided

Q36. If A + B means A is the sister of B; A x 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 x Q % R + S – T   (b) P x Q % R - T + S   (c) P x Q % R + T – S   (d) P x Q % R + S + T

Q37. Which symbol will be on the face opposite to the face with symbol * ?

(a) @   (b) $ (c) 8   (d) +

Q38. Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.

120, 99, 80, 63, 48, ?

(a) 35   (b) 38   (c) 39   (d) 40

Q39. A, P, R, X, S and Z are sitting in a row. S and Z are in the centre. A and P are at the ends. R is sitting to the left of A. Who is to the right of P ?

(a) A   (b) X   (c) S   (d) Z

Q40. Find the central angle between two hands of a clock at 2:30?

(a) 105°   (b) 120°   (c) 135°   (d) 150°

Answer key

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