

TPC test-16

Q1. In a certain code language, 'PAGE' is coded as '161495'. How will 'PART' be coded as in that language?

- (a) 16125020 (b) 16132420 (c) 16128620 (d) 16136220

Q2. On what dates of April, 2001 did Wednesday fall?

- (a) 1st, 8th, 15th, 22nd, 29th (b) 2nd, 9th, 16th, 23rd, 30th
(c) 3rd, 10th, 17th, 24th (d) 4th, 11th, 18th, 25th

Q3. The reflex angle between the hands of a clock at 10.25 is:

- (a) 180° (b) 195° (c) 162.5 (d) 197.5

Q4. In a certain code 'LIMCA' is written as 'HJLDZ'. Which of the following words is written as 'IFWJBP'?

- (a) M E X I C O (b) MERCURY (c) JAPAN (d) MIDNIGHT (e) H O N D U S

Q5. 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

Q6. At what time between 7 and 8 o'clock will the hands of a clock be in the same straight line but, not together?

- (a) 5 min. past 7 (b) $5\frac{2}{11}$ min. past 7 (c) 6 min. past 7 (d) $5\frac{5}{11}$ min. past 7

Q7. Find the wrong number in the series.

3, 8, 15, 24, 34, 48, 63

- (a) 15 (b) 24 (c) 34 (d) 48

Q8. 7, 8, 18, 57, ?, 1165, 6996

- (a) 228 (b) 542 (c) 232 (d) 415

Q9. Veena who is the sister-in-law of Ashok, is the daughter-in-law of Kalyani. Dheeraj is the father of Sudeep who is the only brother of Ashok. How Kalyani is related to Ashok?

- (a) Mother-in-law (b) Aunt (c) Wife (d) None of these

Q10. The leap day of a leap year falls again after how many years ?

- (a) 4 years (b) 8 years (c) 12 years (d) None of these

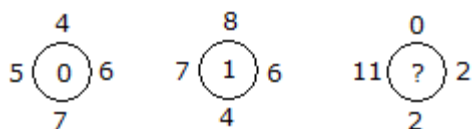
Q11. In each word of the following questions consists of pair of words bearing a relationship among these, from amongst the alternatives, pick up the pair that best illustrate a similar relationship.

- (a) Glove : Hand (b) Neck : Collar (c) Tie : Shirt (d) Socks : Feet (e) Coat : Pocket

Q12. In a class, there are 18 boys who are over 160 cm tall. If these constitute three-fourths of the boys and the total number of boys is two-thirds of the total number of students in the class, what is the number of girls in the class ?

- (a) 6 (b) 12 (c) 18 (d) 24

Q13. Which one will replace the question mark ?



- (a) 0 (b) 2 (c) 11 (d) 12

Q14. 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.

All men are vertebrates. Some mammals are vertebrates.

Conclusions:

1. All men are mammals.
2. All mammals are men.
3. Some vertebrates are mammals.
4. All vertebrates are men.

- (a) Only (4) (b) Only (2) (c) Only (3) (d) Only (1) (e) Only (1) and (3)

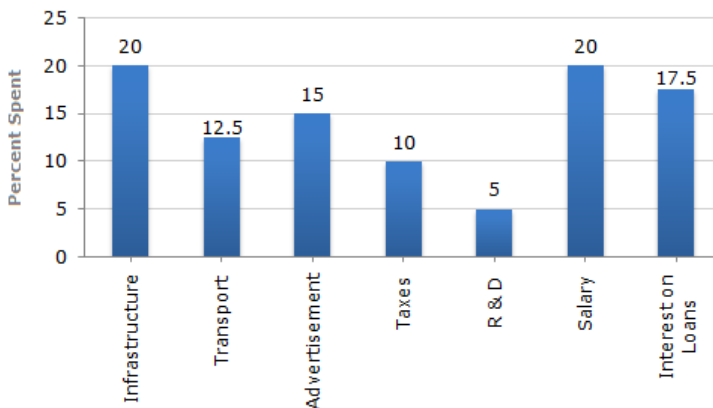
Q15. Arrange the words given below in a meaningful sequence.

1. Probation	2. Interview	3. Selection
4. Appointment	5. Advertisement	6. Application

- (a) 5, 6, 3, 2, 4, 1 (b) 5, 6, 4, 2, 3, 1 (c) 5, 6, 2, 3, 4, 1 (d) 6, 5, 4, 2, 3, 1

Direction (16-20): The bar graph given below shows the percentage distribution of the total expenditures of a company under various expense heads during 2003.

Percentage Distribution of Total Expenditure of a Company



Q16. The total amount of expenditures of the company is how many times of expenditure on research and development?

- (a) 27 (b) 20 (c) 18 (d) 8

Q17. If the expenditure on advertisement is 2.10 crores then the difference between the expenditure on transport and taxes is?

- (a) Rs. 1.25 crores (b) Rs. 95 lakhs (c) Rs. 65 lakhs (d) Rs. 35 lakhs

Q18. What is the ratio of the total expenditure on infrastructure and transport to the total expenditure on taxes and interest on loans?

- (a) 5:4 (b) 8:7 (c) 9:7 (d) 13:11

Q19. If the interest on loans amounted to Rs. 2.45 crores then the total amount of expenditure on advertisement, taxes and research and development is?

- (a) Rs. 7 crores (b) Rs. 5.4 crores (c) Rs. 4.2 crores (d) Rs. 3 crores

Q20. The expenditure on the interest on loans is by what percent more than the expenditure on transport?

- (a) 5% (b) 10% (c) 20% (d) 40%

Q21. The sum of two numbers is 216 and their HCF is 27. The numbers are:

- (a) 27, 189 (b) 81, 189 (c) 108, 108 (d) 154, 162

Q22. 65% of $x = 20\%$ of 422.5. find the value of x ?

- (a) 84.5 (b) 130 (c) 139.425 (d) 200

Q23. If one pipe A can fill a tank in 20 minutes then 10 pipes, each of 20% efficiency of A, can fill the tank in:

- (a) 8 minutes (b) 20 minutes (c) 10 minutes (d) 25 minutes

Q24. When the price of a product was decreased by 20%. The number sold increased by 30%. What was the effect on total revenue?

- (a) +10% (b) +4% (c) -4% (d) None of these

Q25. The average monthly salary of 20 employees in an organization is Rs. 1500. If the manager's salary is added then the average salary increases by Rs. 100.. What is the manager's monthly salary?

- (a) Rs. 2000 (b) Rs. 2400 (c) Rs.3600 (d) 4800

Q26. A 150 metre long train crosses a platform in 18 seconds while it crosses a signal pole in 12 seconds. What is the length of the platform?

- (a) 75 m (b) 100 m (c) 150 m (d) Data inadequate

Q27. If $3A = 4B = 5C$, if B has a salary of Rs. 25000. Find the salary of C?

- (a) Rs.15000 (b) Rs. 20000 (c) Data inadequate (d) None of these

Q28. Find the maximum number of students among them 1001 pens and 910 pencils can be distributed in such a way that each student gets the same number of pens and the same number of pencils.

- (a) 91 (b) 910 (c) 1001 (d) 1911

Q29. The value of a machine depreciates at the rate of 10% per annum. If the present value is Rs. 120000, what will be its value after 3 years ?

- (a) Rs. 87480 (b) Rs. 90000 (c) Rs. 84000 (d) Rs. 80000

Q30. The sum of three consecutive odd numbers is 38 more than the average of these numbers. What is the first of these numbers?

- (a) 13 (b) 17 (c) 19 (d) None of these

Q31. A cricketer whose bowling average is 12.4 runs per wicket, takes 5 wicket for 26 runs and thereby decreases his average by 0.4. The number of wickets taken by him till the last match was :

- (a) 64 (b) 72 (c) 80 (d) 85

Q32. Three pipes A, B and C fill a tank in 60 minutes. After working together for 20 minutes, C is closed and A and B can fill remaining part in 70 minutes. The number of minutes taken by C alone to fill the tank is:

- (a) 100 minutes (b) 120 minutes (c) 140 minutes (d) 160 minutes

Q33. The ratio of Umang and Prakash ages is 2: 3 respectively. After six years from now, this ratio becomes 4: 5. How old is Piyush now?

- (a) 5 years (b) 25 years (c) 10 years (d) None of these

Q34. A shopkeeper mixes two varieties of sugar, type I at Rs. 40/kg, and type II at Rs. 50/kg and the mean price he got from the mixture is Rs. 43.33/kg. in what ratio did he mix type I and type II?

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

Q35. What is the unit digit in $(7^{95} - 3^{58})$?

- (a) 0 (b) 4 (c) 6 (d) 7

Q36. Solve the following $\frac{768 \times 768 \times 768 \times 232 \times 232 \times 232}{768 \times 768 - 768 \times 232 + 232 \times 232} = ?$

- (a) 1000 (b) 536 (c) 500 (d) 268 (e) None of these

Q37. If a and b are odd numbers, then which of the following is even ?

- (a) $a + b$ (b) $a + b + 1$ (c) ab (d) $ab + 2$

Q38. 5 cubes of dimensions 5cm x 5cm x 5cm, are joined with each other in such a way that after joining all 5 the longest side become 25 cm. find the surface area of the new figure formed?(as shown in figure)



- (a) 5000 cm^2 (c) 750 cm^2 (d) None of these

Q39. What's the probability of drawing a red card or a card with a face (king, queen, or jack) from a standard deck of 52 cards?

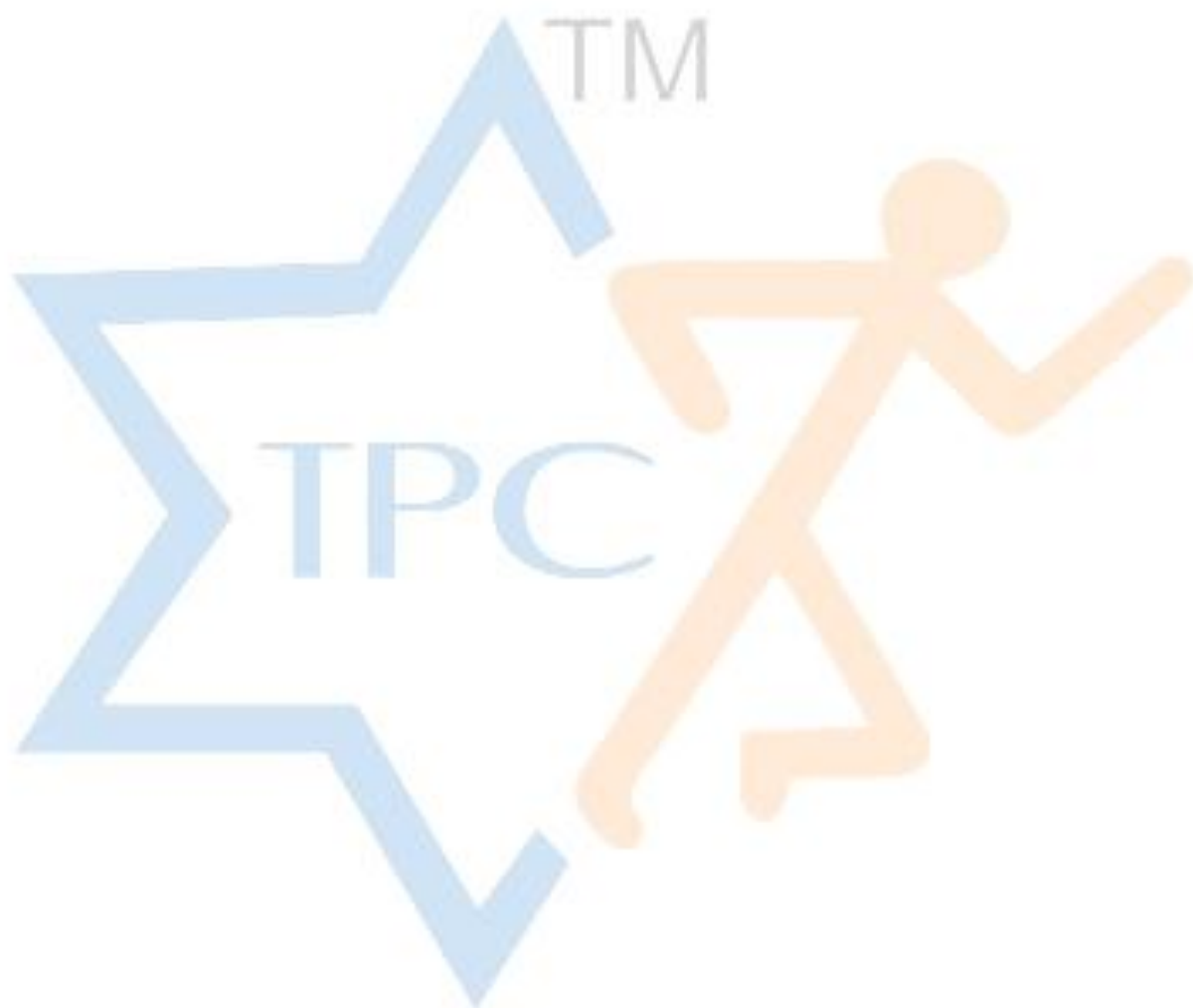
- (a) 13/52 (b) 21/52 (c) 29/52 (d) 8/13

Q40. 24 women can complete a piece of work in 8 days. How many more women should assist them to complete the work in 3 days ?

- (a) 48 (b) 64 (c) 5 (d) None of these

Answer key

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



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