

68. If the perimeter of a square is equal to the radius of a circle whose area is 39424 sq.cm, what is the area of the square ?
 (1) 1225 sq.cm (2) 441 sq.cm
 (3) 784 sq.cm (4) Cannot be determined
 (5) None of these

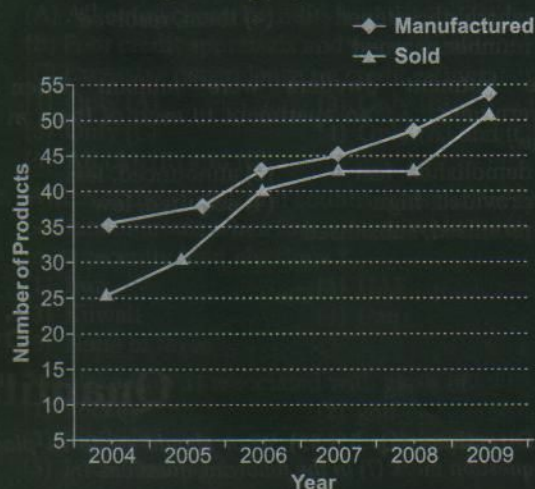
Directions (Q. 69–70) Study the following information carefully to answer the questions that follow.

A committee of five members is to be formed out of 5 Professors, 6 Teachers and 3 Readers.
 In how many different ways can it be done if

69. the committee should consist of 2 Professors, 2 Teachers and 1 Reader ?
 (1) 450 (2) 225
 (3) 55 (4) 90
 (5) None of these
70. the committee should include all the 3 Readers ?
 (1) 90 (2) 180
 (3) 21 (4) 55
 (5) None of these
71. Twelve men complete a piece of work in 24 days. In how many days can eight men complete the same piece of work ?
 (1) 28 (2) 36
 (3) 48 (4) 52
 (5) None of these
72. Rahul spends 50% of his monthly income on household items, 20% of his monthly income on buying clothes, 5% of his monthly income on medicines and the remaining amount of ₹ 11250 he saves. What is Rahul's monthly income ?
 (1) ₹ 38200 (2) ₹ 34000
 (3) ₹ 41600 (4) ₹ 45000
 (5) None of these
73. The number obtained by interchanging the two digits of a two digit number is lesser than the original number by 54. If the sum of the two digits of the number is 12, then what is the original number ?
 (1) 28 (2) 39
 (3) 82 (4) Cannot be determined
 (5) None of these
74. At present, Meena is eight times her daughter's age. Eight years from now, the ratio of the ages of Meena and her daughter will be 10 : 3 respectively. What is Meena's present age ?
 (1) 32 years
 (2) 40 years
 (3) 36 years
 (4) Cannot be determined
 (5) None of the above
75. In how many different ways can 4 boys and 3 girls be arranged in a row such that all the boys stand together and all the girls stand together ?
 (1) 75 (2) 576
 (3) 288 (4) 24
 (5) None of these

Directions (Q. 76–80) Study the following graph carefully to answer the questions.

Number (in thousands) of Products Manufactured and Sold by a Company Over the Years



76. What is the difference in the number of products manufactured by the company in the year 2009 and 2008 ?
 (1) 4000 (2) 5500
 (3) 3500 (4) 4500
 (5) None of these
77. The number of products sold by the company in the year 2004 is what per cent of the number of products manufactured by it in that year ? (rounded off to two digits after decimal)
 (1) 71.43 (2) 67.51
 (3) 81.67 (4) 56.29
 (5) None of these
78. What is the per cent increase in the number of products sold by the company in the year 2006 from the previous year ? (rounded off to two digits after decimal)
 (1) 19.25 (2) 33.33
 (3) 10.45 (4) 42.66
 (5) None of these
79. What is the respective ratio of the number of products not sold by the company in the year 2007 to those not sold in the year 2005 ?
 (1) 3 : 1 (2) 6 : 5 (3) 1 : 3
 (4) 5 : 6 (5) None of these
80. What is the **approximate** average number of products manufactured by the company over all the years together ?
 (1) 36550 (2) 39480
 (3) 41220 (4) 43330
 (5) 34420

Directions (Q. 81–85) Study the following information carefully and answer the questions that follow.

An office consists of 520 employees working in different departments, viz, HR, IT, Production and Marketing. The ratio of men to women in the organization is 5 : 3 respectively. 20 per cent of the men work in the IT department, 40 per cent of the women work in the HR department. The total number of employees in the

Production department is 135. Two-fifth of the women work in the IT department and the remaining work in the Marketing department. 40 per cent of the men work in the Production department. Four per cent of the men work in the HR department and the remaining work in the Marketing department.

81. Number of men working in the Marketing department forms what per cent of the total number of employees in the organization ?
 (1) 22.5 (2) 34.5
 (3) 19.5 (4) 38.5
 (5) None of these
82. What is the respective ratio of the number of men working in the HR department to the women working in the same ?
 (1) 1 : 5 (2) 2 : 3
 (3) 4 : 7 (4) 9 : 11
 (5) None of these
83. What is the number of women working in the Marketing department ?
 (1) 41 (2) 34 (3) 46
 (4) 39 (5) None of these
84. Total number of employees working in the Production department forms **approximately** what per cent of the total number of employees working in the organization ?
 (1) 12 (2) 17 (3) 21
 (4) 26 (5) 38
85. What is the total number of employees working in the IT department ?
 (1) 130 (2) 124
 (3) 143 (4) 101
 (5) None of these

Directions (Q. 86–90) Study the following table carefully to answer the questions that follow.

Number of Executives Recruited by Six Different Organizations Over the Years

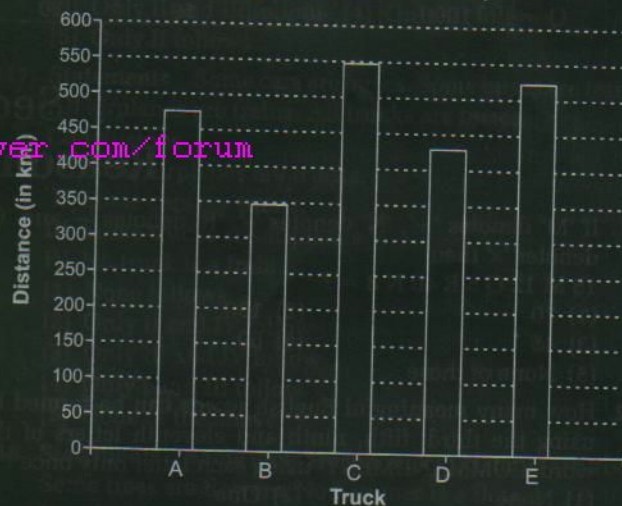
Organization \ Year	P	Q	R	S	T	U
2004	458	512	418	502	476	492
2005	522	536	472	500	482	523
2006	480	495	464	508	488	518
2007	506	505	428	444	490	534
2008	427	485	422	512	510	498
2009	492	488	444	499	512	510

86. What is the total number of Executives recruited by all the organizations together in the year 2006 ?
 (1) 2927 (2) 3042 (3) 2864
 (4) 3143 (5) None of these
87. What is the respective ratio of total number of Executives recruited by organization U in the year 2007 and 2009 together to the total number of Executives recruited by organization P from the same years ?
 (1) 436 : 517 (2) 499 : 522
 (3) 517 : 436 (4) 522 : 499
 (5) None of these

88. What is the average number of Executives recruited by organization S over all the years together ?
 (1) 494 (2) 482
 (3) 514 (4) 506
 (5) 478
89. What is the per cent increase in the number of Executives recruited by organization R in 2005 from the previous year ? (rounded off to two digits after decimal)
 (1) 18.67 (2) 12.92
 (3) 16.48 (4) 13.21
 (5) None of these
90. Number of Executives recruited by organization T in the year 2008 forms **approximately** what per cent of the total number of Executives recruited by all the organizations together in that year ?
 (1) 11 (2) 31
 (3) 18 (4) 26
 (5) 23

Directions (Q. 91–95) Study the following graph carefully to answer the questions that follow.

Distance (in km) Travelled by Five Different Trucks in a Day



91. What is the respective ratio of the distance travelled by Truck A to the distance travelled by Truck D ?
 (1) 17 : 19 (2) 11 : 15
 (3) 19 : 17 (4) 15 : 11
 (5) None of these
92. What is the average distance travelled by all the trucks together ?
 (1) 510 km (2) 515 km
 (3) 425 km (4) 475 km
 (5) None of these
93. If Truck A covered the given distance at the average speed of 47.5 km/h, what was the time taken by it to cover this distance ?
 (1) 12 hours (2) 10 hours
 (3) 8 hours (4) 6 hours
 (5) None of these

94. The distance travelled by Truck E is **approximately** what per cent of the total distance travelled by Truck B and C together ?
 (1) 58 (2) 60
 (3) 52 (4) 62
 (5) 55
95. If the time taken by Truck C to cover the given distance was 8 hours, what was the average speed of the truck ?
 (1) 54.75 km/h (2) 65.25 km/h
 (3) 52.25 km/h (4) 68.75 km/h
 (5) None of these

Directions (Q. 96–100) Study the following table carefully to answer the questions that follow.

Total Number of People in Different Villages and (of These) Percentage of Men, Women and Children

Village	Total No. of People	Percentage of Men	Percentage of Women	Percentage of Children
L	1240	35	45	20
M	2140	45	30	25
N	1450	50	30	20
O	1680	65	20	15
P	2060	40	40	20
Q	1990	40	50	10

96. Which village has the least number of children ?
 (1) L (2) N (3) Q
 (4) O (5) None of these
97. What is the respective ratio of the number of women in Village L and P together to the number of men in the same villages together ?
 (1) 617 : 664 (2) 629 : 691
 (3) 664 : 617 (4) 691 : 629
 (5) None of these
98. What is the total number of women and children together in Village Q ?
 (1) 995 (2) 1184
 (3) 1086 (4) 988
 (5) None of these
99. The total number of people from Village O is **approximately** what per cent of the total number of people from all the villages together ?
 (1) 16 (2) 21
 (3) 11 (4) 25
 (5) 9
100. What is the total number of children from Village M and N together ?
 (1) 785 (2) 825
 (3) 855 (4) 795
 (5) None of these