

DATA INTERPRETATION

1.

Study the following table and answer the questions based on it.

Expenditures of a Company (in Lakh Rupees) per Annum Over the given Years.

Year	Item of Expenditure			
	Salary	Fuel and Transport	Bonus	Interest on Loans
1998	288	98	3.00	23.4
1999	342	112	2.52	32.5
2000	324	101	3.84	41.6
2001	336	133	3.68	36.4
2002	420	142	3.96	49.4

- What is the average amount of interest per year which the company had to pay during this period?

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a.32.43lakhs

b.34.42lakhs

c.36.66lakhs

d.35.62lakhs

2. The total amount of bonus paid by the company during the given period is approximately what percent of the total amount of salary paid during this period?

a.1%

b.1.5%

c.1.25%

d.2%

3. Total expenditure on all these items in 1998 was approximately what percent of the total expenditure in 2002?

a.62%

b.65%

c.66%

d.69%

4. The total expenditure of the company over these items during the year 2000 is?

a. Rs. 544.44 lakhs

b. Rs. 501.11 lakhs

c. Rs. 446.46 lakhs

d. Rs.

478.87 lakhs

5. The ratio between the total expenditure on Taxes for all the years and the total expenditure on Fuel and Transport for all the years respectively is approximately?



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- a. 4:7
- b. 10:13
- c. 15:18
- d. 5:8

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2.

Study the following table and answer the questions based on it.

Number of Candidates Appeared, Qualified and Selected in a Competitive Examination from Five States

Delhi, H.P, U.P, Punjab and Haryana Over the Years 1994 to 1998

Year	Delhi			H.P			U.P			Punjab			Haryana		
	App	Qual	Sel	App	Qual	Sel	App	Qual	Sel	App	Qual	Sel	App	Qual	Sel
1997	8000	850	94	7800	810	82	7500	720	78	8200	680	85	6400	700	75
1998	4800	500	48	7500	800	65	5600	620	85	6800	600	70	7100	650	75
1999	7500	640	32	7400	560	70	4800	400	48	6500	525	65	5200	350	55
2000	9500	850	90	8800	920	86	7000	650	70	7800	720	84	6400	540	60
2001	9000	800	70	7200	850	75	8500	950	80	5700	485	60	4500	600	75

1. For which state the average number of candidates selected over the years is the maximum?

a. Delhi b. H.P c. U.P d. Punjab

2. The percentage of candidates qualified from Punjab over those appeared from Punjab is highest in the year?

a. 1997 b. 1998 c. 1999 d. 2000

2. The percentage of candidates qualified from Punjab over those appeared from Punjab is highest in the year?

a. 1997

b. 1998

c. 1999

d. 2000

3. In the year 1997, which state had the lowest percentage of candidates selected over the candidates appeared?

a. Delhi

b. H.P

c. U.P

d. Punjab

4. The number of candidates selected from Haryana during the period under review is approximately what percent of the number selected from Delhi during this period?

a. 79.5%

b. 81%

c. 84.5%

d. 88.5%

5. The percentage of candidates selected from U.P over those qualified from U.P is highest in the year?

a. 1997

b. 1998

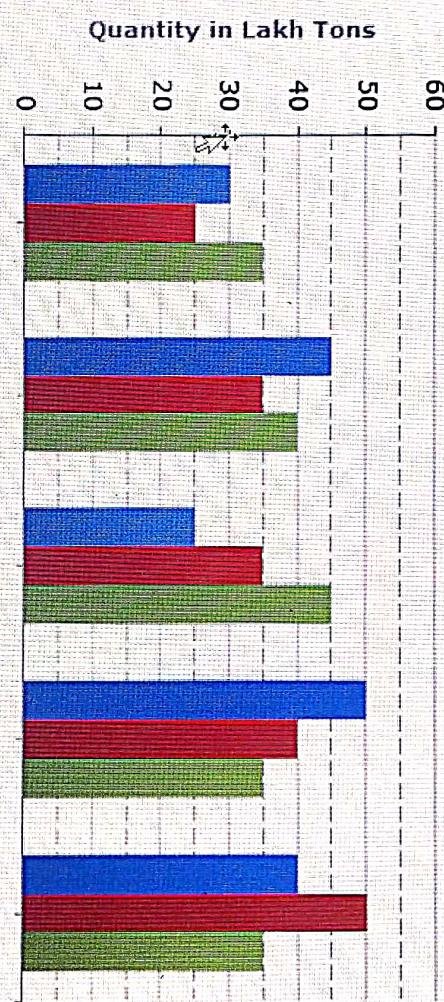
c. 1999

d. 2000

3.

The bar graph given below shows the data of the production of paper (in lakh tonnes) by three different companies X, Y and Z over the years.

Production of Paper (in Lakh tonnes) by Three Companies X, Y and Z over the Years.



1. For which of the following years, the percentage rise/fall in production from the previous year is the maximum for Company Y?
 - a. 1997
 - b. 1998
 - c. 1999
 - d. 2000
2. What is the ratio of the average production of Company X in the period 1998-2000 to the

2. What is the ratio of the average production of Company X in the period 1998-2000 to the average production of Company Y in the same period?

- a.1:1
- b.15:17
- c.23:25
- d.27:29

3. The average production for five years was maximum for which company?

- a.X
- b.Y
- c.Z
- d.X and Z both

4. In which year was the percentage of production of Company Z to the production of Company Y the maximum?

- a.1996
- b.1997
- c.1998
- d.1999

5. What is the percentage increase in the production of Company Y from 1996 to 1999?

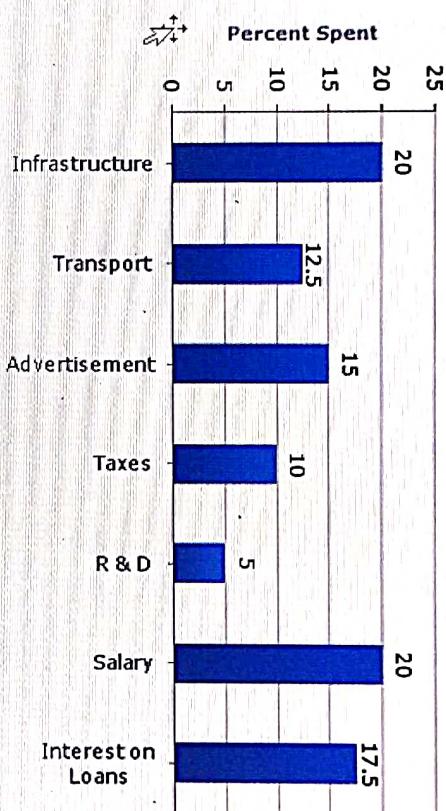
- a.30%
- b.40%
- c.50%
- d.60%



4

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



1. The total amount of expenditures of the company is how many times of expenditure on research and development?
a. 27 b. 20 c. 8 d. 18
2. 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

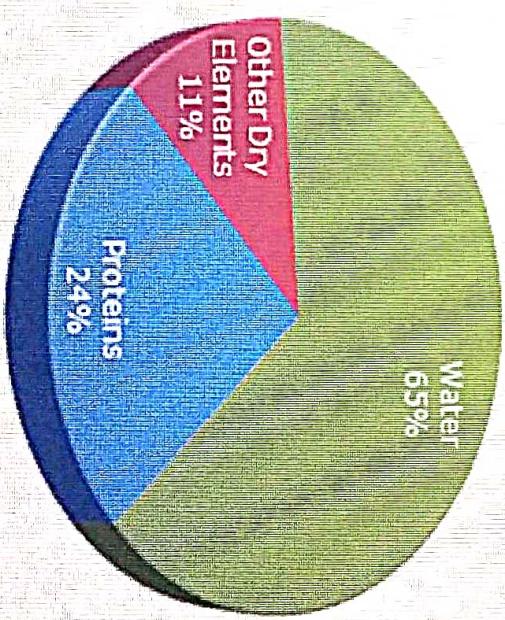
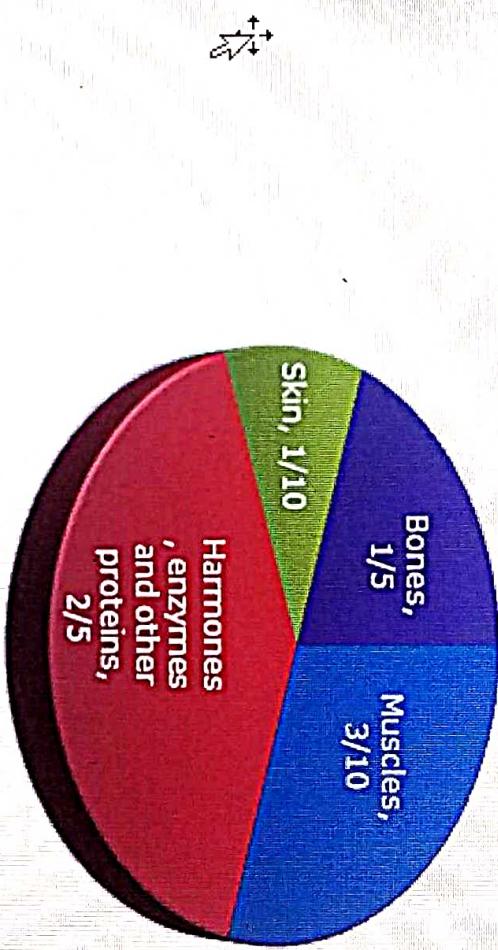
2. If the expenditure on advertisement is 2.10 crores then the difference between the expenditure on transport and taxes is?
- a. Rs. 1.25 crores
 - b. Rs. 95 lakhs
 - c. Rs. 65 lakhs
 - d. Rs. 35 lakhs
3. What is the ratio of the total expenditure on infrastructure and transport to the total expenditure on taxes and interest on loans?
- a. 5:4
 - b. 8:7
 - c. 9:7
 - d. 13:11
4. 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
5. 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%



5.

The following pie chart give the information about the distribution of weight in the human body according to different kinds of components. Study the pie charts and answer the question.

Distribution of Weight in Human Body



1. What percentage of proteins of the human body is equivalent to the weight of its skin ?

- a. $\frac{41.66}{2} \%$
- b. 43.33%
- c. 44.44%
- d. Cannot be determined

2. How much of the human body is neither made of bones or skin ?

- a. 40 %
- b. 50 %
- c. 60 %
- d. 70 %

3. What is the ratio of the distribution of proteins in the muscles to that of the distribution of proteins in the bones ?

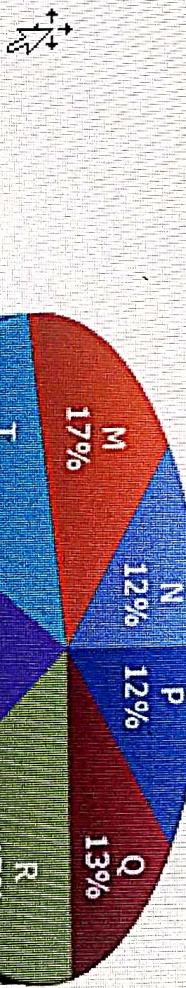
- a. 2:1
- b. 2:3
- c. 3:2
- d. Cannot be determined

6.

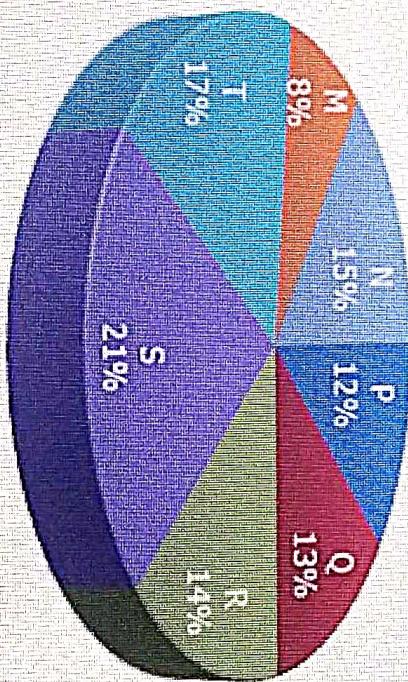
The following pie-charts show the distribution of students of graduate and post-graduate levels in seven different institutes in a town.

Distribution of students at graduate and post-graduate levels in seven Institutes:

Total Number of Students of Graduate Level = 27300



Total Number of Students of Post-Graduate Level = 24700



1. What is the total number of graduate and post-graduate level students in institute R?

- a. 8320 b. 7916 c. 9116 d. 8099

2. What is the ratio between the number of students studying at post-graduate and graduate levels respectively from institute S?

- a. 14 : 19 b. 19 : 21 c. 17 : 21 d. 19 : 14

3. How many students of institutes of M and S are studying at graduate level?

- a. 7516 b. 8463 c. 9127 d. 9404

4. What is the ratio between the number of students studying at post-graduate level from institutes S and the number of students studying at graduate level from institute Q?

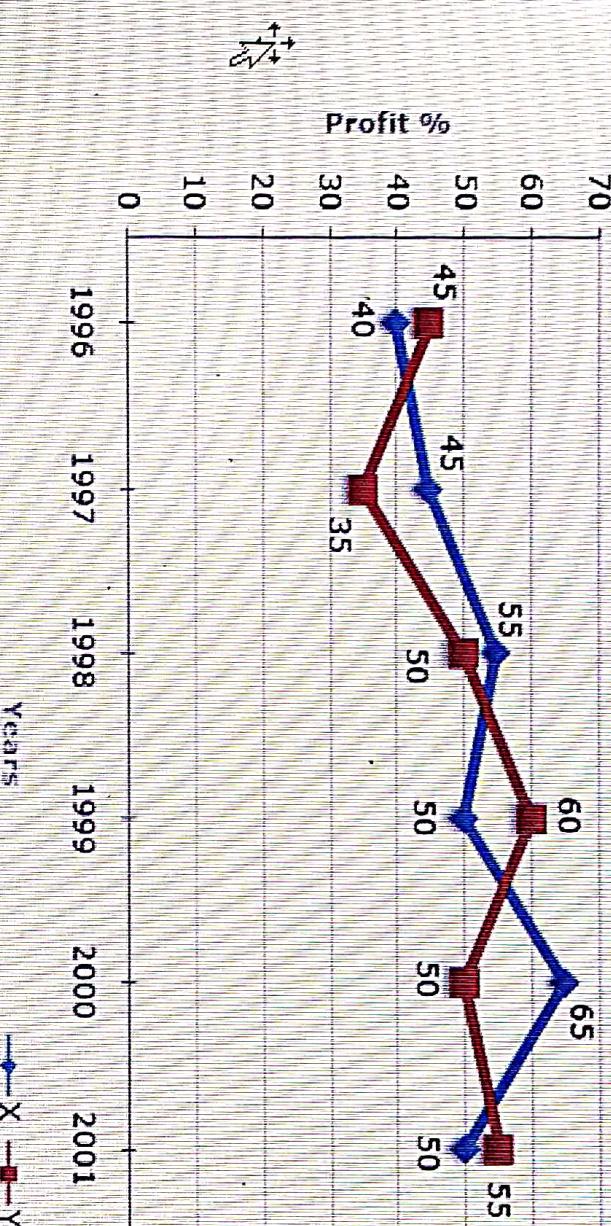
- a. 13 : 19 b. 21 : 13 c. 13 : 8 d. 19 : 13

7.

The following line graph gives the percent profit earned by two Companies X and Y during the period 1996 - 2001.

Percentage profit earned by Two Companies X and Y over the Given Years

$$\% \text{Profit} = \frac{\text{Income} - \text{Expenditure}}{\text{Expenditure}} \times 100$$



1. The incomes of two Companies X and Y in 2000 were in the ratio of 3:4 respectively. What was the respective ratio of their expenditures in 2000 ?
 - a. 7:22
 - b. 14:19
 - c. 15:22
 - d. 27:35

2. If the expenditure of Company Y in 1997 was Rs. 220 crores, what was its income in 1997?
 - a. Rs. 312 crores
 - b. Rs. 297 crores
 - c. Rs. 283 crores
 - d. Rs. 275 crores

3. If the expenditures of Company X and Y in 1996 were equal and the total income of the two Companies in 1996 was Rs. 342 crores, what was the total profit of the two

3. If the expenditures of Company X and Y in 1996 were equal and the total income of the two Companies in 1996 was Rs. 342 crores, what was the total profit of the two Companies together in 1996? (Profit = Income - Expenditure)

- a. Rs. 240 crores b. Rs. 171 crores c. Rs. 120 crores d. Rs. 102 crores

4. The expenditure of Company X in the year 1998 was Rs. 200 crores and the income of company X in 1998 was the same as its expenditure in 2001. The income of Company X in 2001 was ?

- a. Rs. 465 crores b. Rs. 385 crores c. Rs. 335 crores d. Rs. 295 crores

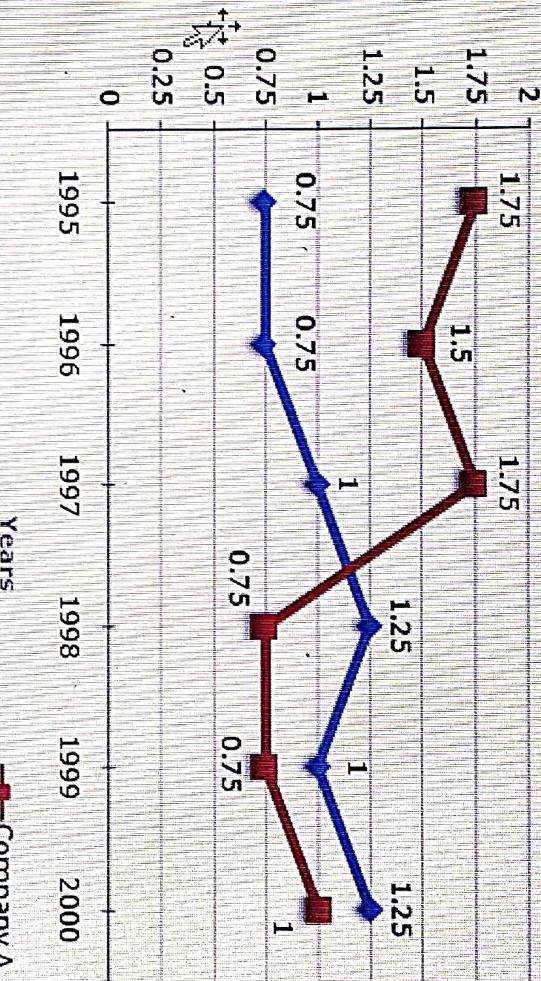
5. If the incomes of two Companies were equal in 1999, then what was the ratio of expenditure of Company X to that of Company Y in 1999 ?

- a. 6:5 b. 5:6 c. 11:6 d. 16:15

8.

Answer the questions based on the given line graph.

Ratio of Exports to Imports (in terms of money in Rs. crores) of Two Companies Over the Years



1. In how many of the given years were the exports more than the imports for Company A?

a.2 b.3 c.4 d.5

2. If the imports of Company A in 1997 were increased by 40 percent, what would be the ratio of exports to the increased imports?

a.1.20 b.1.25 c.1.30 d. cannot be determined

3. If the exports of Company A in 1998 were Rs. 237 crores, what was the amount of imports in that year?

a. D^o 180 K crore b. D^o 212 crore c. D^o 281 crore d. D^o 216 crore



3. If the exports of Company A in 1998 were Rs. 237 crores, what was the amount of imports in that year?

- a. Rs. 189.6 crores
- b. Rs. 243 crores
- c. Rs. 281 crores
- d. Rs. 316 crores

4. In 1995, the export of Company A was double that of Company B. If the imports of Company A during the year was Rs. 180 crores, what was the approximate amount of imports pf Company B during that year?

- a. Rs. 190 crores
- b. Rs. 210 crores
- c. Rs. 225 crores
- d. Cannot be determined

5. In which year(s) was the difference between imports and exports of Company B the maximum?

- a. 2000
- b. 1996
- c. 1998 and 2000
- d. Cannot be determined