Data interpretation – Practice Sheet

A. Directions to Solve (Q. 1 – 5):

The following table gives the percentage of marks obtained by seven students in six different subjects in an examination. The Numbers in the Brackets give the Maximum Marks in Each Subject.

Student **Subject (Max. Marks)**

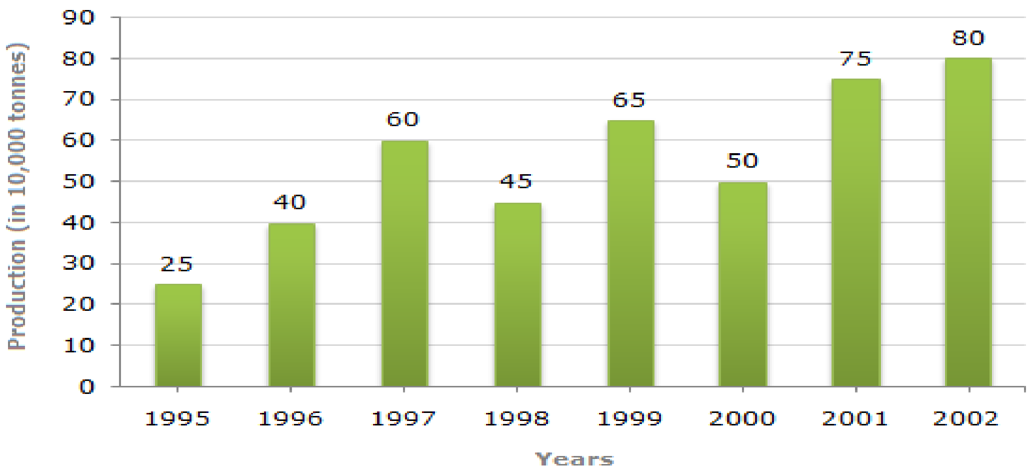
	Maths	Chemistry	Physics	Geography	History	Comp. Science
	(150)	(130)	(120)	(100)	(60)	(40)
Ayush	90	50	90	60	70	80
Aman	100	80	80	40	80	70
Sajal	90	60	70	70	90	70
Rohit	80	65	80	80	60	60
Muskan	80	65	85	95	50	90
Tanvi	70	75	65	85	40	60
Tarun	65	35	50	77	80	80

1. What are the average marks obtained by all the seven students in Physics? (rounded off to two digit after decimal)
   A. 77.26 B.89.14 C. 91.37 D. 96.11
2. The number of students who obtained 60% and above marks in all subjects is?
   A. 1 B. 2 C. 3 D. None
3. What was the aggregate of marks obtained by Sajal in all the six subjects?
   A. 409 B. 419 C. 429 D. 449
4. In which subject is the overall percentage the best?
   A. Maths B. Chemistry C. Physics D. History
5. What is the overall percentage of Tarun?
   A. 52.5% B. 55% C. 60% D. 63%

B. Directions to Solve (Q.6 – 10):

Study the bar chart and answer the question based on it.

Production of Fertilizers by a Company (in 1000 tonnes) Over the Years



6. What was the percentage decline in the production of fertilizers from 1997 to 1998?
   A. 33(1/3)% B. 20% C. 25% D. 21%
7. The average production of 1996 and 1997 was exactly equal to the average production of which of the following pairs of years?

A. 2000 and 2001 B. 1999 and 2000 C. 1998 and 2000 D. 1995 and 2001

8. What was the percentage increase in production of fertilizers in 2002 compared to that in 1995?

A. 320% B. 300% C. 220% D. 200%

9. In which year was the percentage increase in production as compared to the precious year the maximum?

A. 2002 B. 2001 C. 1997 D. 1996

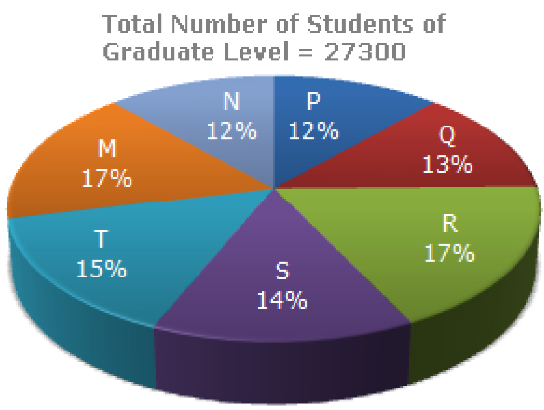
10. In how many of the given years was the production of fertilizers more than the average production of the given years?

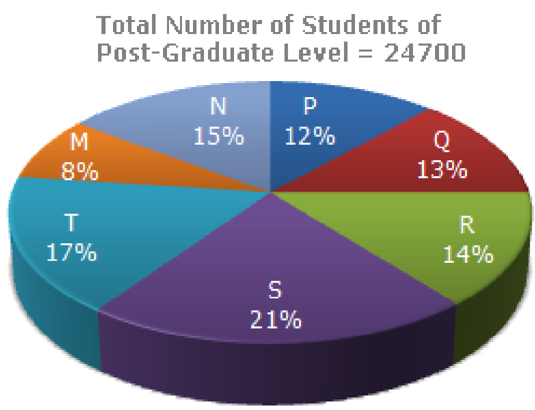
A. 1 B. 2 C. 3 D. 4

Direction (For Q. 11 - 16):

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:





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

A. 8320 B. 7916 C. 9116 D. 8099

12. 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

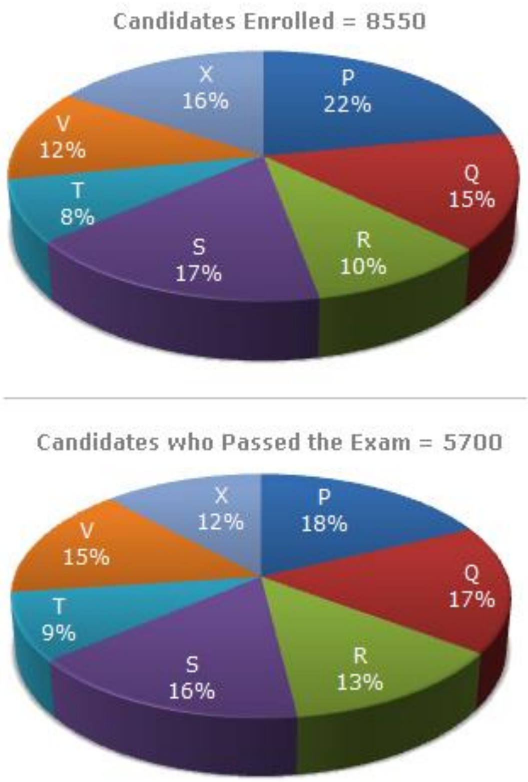
13. How many students of institutes of M and S are studying at graduate level?

A. 7516 B. 8463 C. 9127 D. 9404

14. 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

15. Total number of students studying at post-graduate level from institutes N and P is
A. 5601 B. 5944 C. 6669 D. 8372

Direction (for Q. 16 - 20):
Study the following graph carefully and answer the questions given below:
Distribution of candidates who were enrolled for MBA entrance exam and the candidates (out of those enrolled) who passed the exam in different institutes:



16. What percentage of candidates passed the Exam from institute T out of the total number of candidates enrolled from the same institute?
A. 50% B. 62.5% C. 75% D. 80%

17. Which institute has the highest percentage of candidates passed to the candidates enrolled?
A. Q B. R C. V D. T

18. The number of candidates passed from institutes S and P together exceeds the number of candidates enrolled from institutes T and R together by:
A. 228 B. 279 C. 399 D. 407

19. What is the percentage of candidates passed to the candidates enrolled for institutes Q and R together?
A. 68% B. 80% C. 74% D. 65%

20. What is the ratio of candidates passed to the candidates enrolled from institute P?
A. 9 : 11 B. 14 : 17 C. 6 : 11 D. 9 : 17

Direction (For Q. 21 - 25):

Two different finance companies declare fixed annual rate of interest on the amounts invested with them by investors. The rate of interest offered by these companies may differ from year to year depending on the variation in the economy of the country and the banks rate of interest. The annual rate of interest offered by the two Companies P and Q over the years are shown by the line graph provided below.

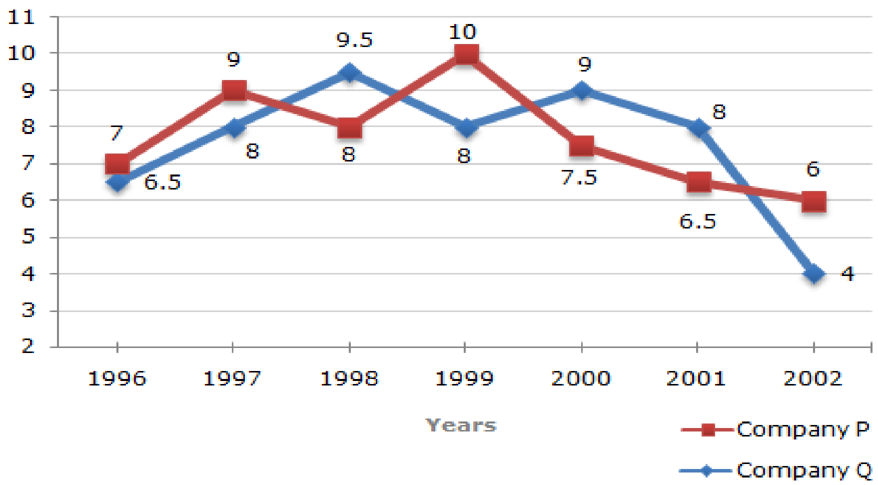
Annual Rate of Interest Offered by Two Finance Companies over the Years.

21. A sum of Rs. 4.75 lakhs was invested in Company Q in 1999 for one year. How much more interest would have been earned if the sum was invested in Company P?

A. Rs. 19,000 B. Rs. 14,250 C. Rs. 11,750 D. Rs. 9500

22. If two different amounts in the ratio 8:9 are invested in Companies P and Q respectively in 2002, then the amounts received after one year as interests from Companies P and Q are respectively in the ratio?

A. 2:3 B. 3:4 C. 6:7 D. 4:3



23. In 2000, a part of Rs. 30 lakhs was invested in Company P and the rest was invested in Company Q for one year. The total interest received was Rs. 2.43 lakhs. What was the amount invested in Company P?

A. Rs. 9 lakhs B. Rs. 11 lakhs C. Rs. 12 lakhs D. Rs. 18 lakhs

24. An investor invested a sum of Rs. 12 lakhs in Company P in 1998. The total amount received after one year was re-invested in the same Company for one more year. The total appreciation received by the investor on his investment was?

A. Rs. 2,96,200 B. Rs. 2,42,200 C. Rs. 2,25,600 D. Rs. 2,16,000

25. An investor invested Rs. 5 lakhs in Company Q in 1996. After one year, the entire amount along with the interest was transferred as investment to Company P in 1997 for one year. What amount will be received from Company P, by the investor?

A. Rs. 5,94,550 B. Rs. 5,80,425 C. Rs. 5,77,800 D. Rs. 5,77,500

Answers

1 B	2 B	3 D	4 A	5 C	6 C	7 D	8 C	9 D	10 D
11 D	12 D	13 B	14 D	15 C	16 C	17 B	18 C	19 B	20 C
21 D	22 D	23 D	24 C	25 B					