

# **LINE CHARTS – Class 1**

1. For which of the following pairs of years the total exports from the three Companies together are equal?

- A. 1995 and 1998                      B. 1996 and 1998  
C. 1997 and 1998                      D. 1995 and 1996

2. Average annual exports during the given period for Company Y is approximately what percent of the average annual exports for Company Z?

- A. 87.12%      B. 89.64%      C. 91.21%      D. 93.33%

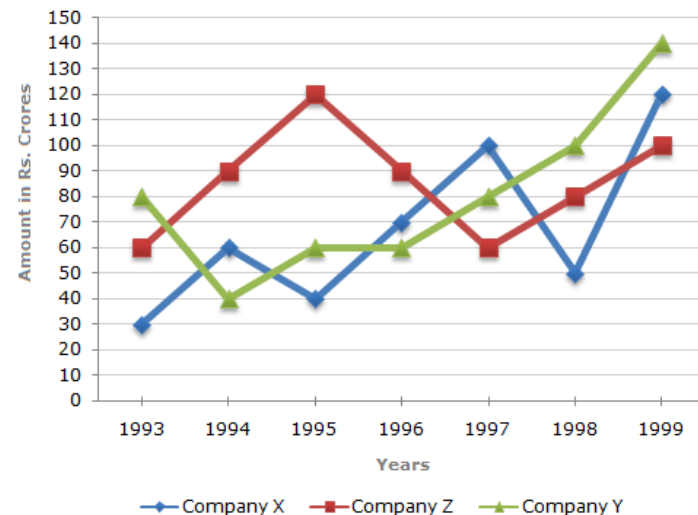
3. In which year was the difference between the exports from Companies X and Y the minimum?

- A. 1994              B. 1995              C. 1996              D. 1997

4. What was the difference between the average exports of the three Companies in 1993 and the average exports in 1998?

- A. Rs. 15.33 crores                      B. Rs. 18.67 crores  
C. Rs. 20 crores                          D. Rs. 22.17 crores

Study the following line graph and answer the questions.  
**Exports from Three Companies Over the Years (in Rs. crore)**



1. If the imports in 1998 was Rs. 250 crores and the total exports in the years 1998 and 1999 together was Rs. 500 crores, then the imports in 1999 was ?

- A. Rs. 250 crores                      B. Rs. 300 crores  
C. Rs. 357 crores                      D. Rs. 420 crores

2. The imports were minimum proportionate to the exports of the company in the year ?

- A. 1995              B. 1996              C. 1997              D. 2000

3. What was the percentage increase in imports from 1997 to 1998 ?

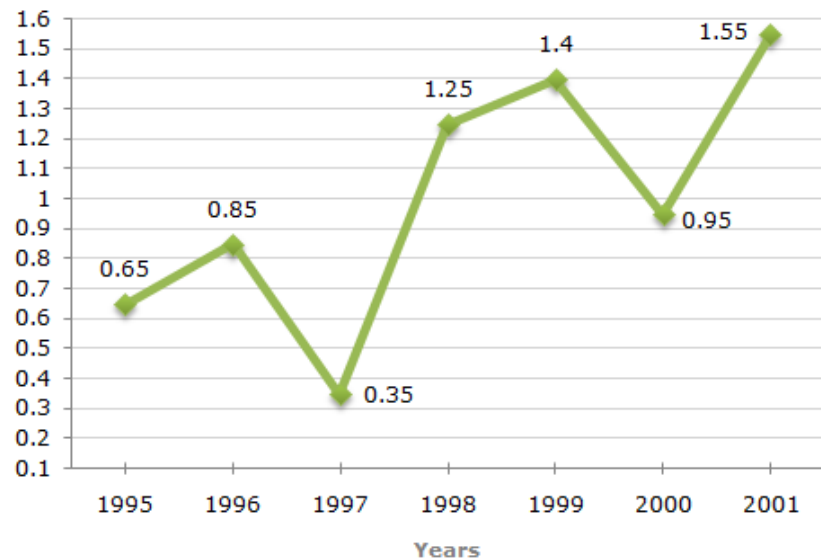
- A. 72              B. 56              C. 28              D. Data inadequate

4. If the imports of the company in 1996 was Rs. 272 crores, the exports from the company in 1996 was ?

- A. Rs. 370 crores                      B. Rs. 320 crores  
C. Rs. 280 crores                      D. Rs. 275 crores

The following line graph gives the ratio of the amounts of imports by a company to the amount of exports from that company over the period from 1995 to 2001.

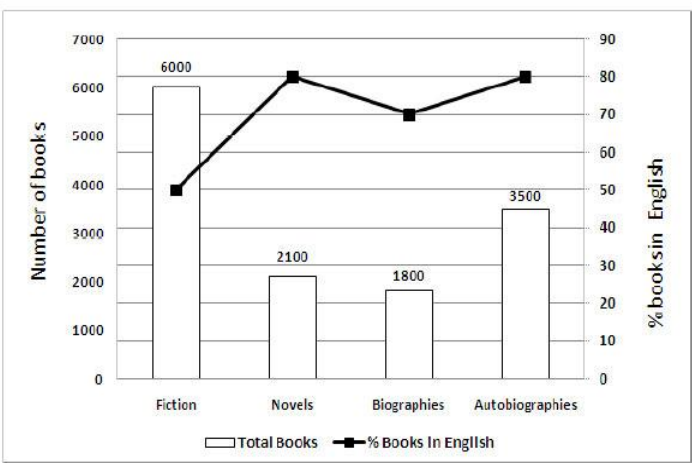
**Ratio of Value of Imports to Exports by a Company Over the Years.**



A library contains books on seven genres in English and Marathi languages: Fiction, Novels, Biographies, Autobiographies, Dramatics, Poetry and Philosophy. The following graph gives the distribution of books in English and Marathi languages on four out of the seven genres. There is at least one book in each language on each genre. Refer to the data and answer the questions that follow.

A library contains books on seven genres in English and Marathi languages: Fiction, Novels, Biographies, Autobiographies, Dramatics, Poetry and Philosophy. The following graph gives the distribution of books in English and Marathi languages on four out of the seven genres. There is at least one book in each language on each genre. The number of books on different genres are to be read on the left hand side axis whereas the number of books in English language as % of total books in that genre is to be read on the right hand side axis. In addition to this, the following facts are known.

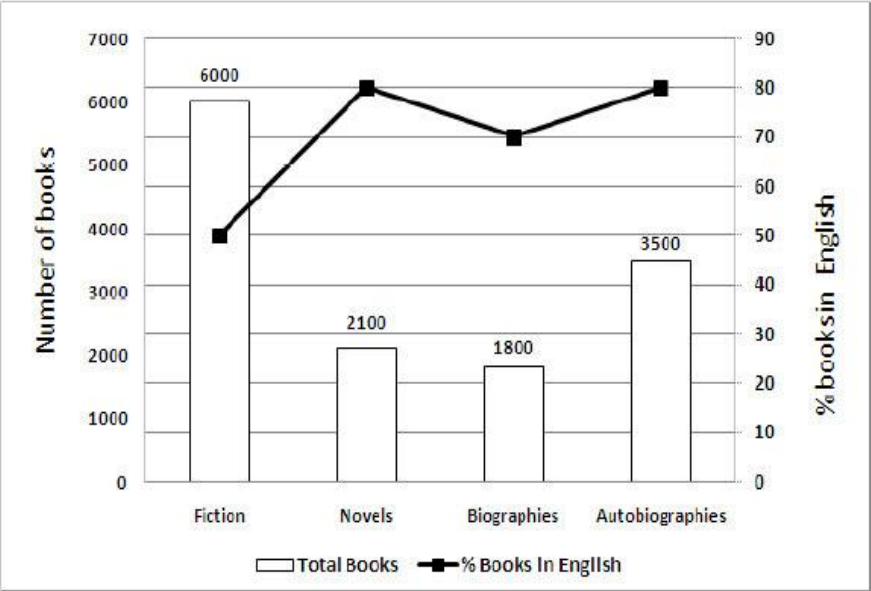
1. The total number of books in Marathi is greater than the total number of books on Fiction.
2. The number of Marathi books on Philosophy is ten times the number of Marathi books on Poetry.
3. The total number of books on Autobiographies is half the total number of books on Biographies, Poetry and Philosophy taken together.
4. The total number of books on Dramatics is greater than the total number of books on any other genre but Fiction.
5. For both Biographies and Philosophy, the ratio of the number of books in English to the total number of books is the same.
6. Only 10% of the books on Poetry are in Marathi.
7. At least 50% books of any genre are in English.



Q1. Which of the following is the total number of books on Philosophy?  
a. 1000                      b. 1200                      c. 3600                      d. None of these

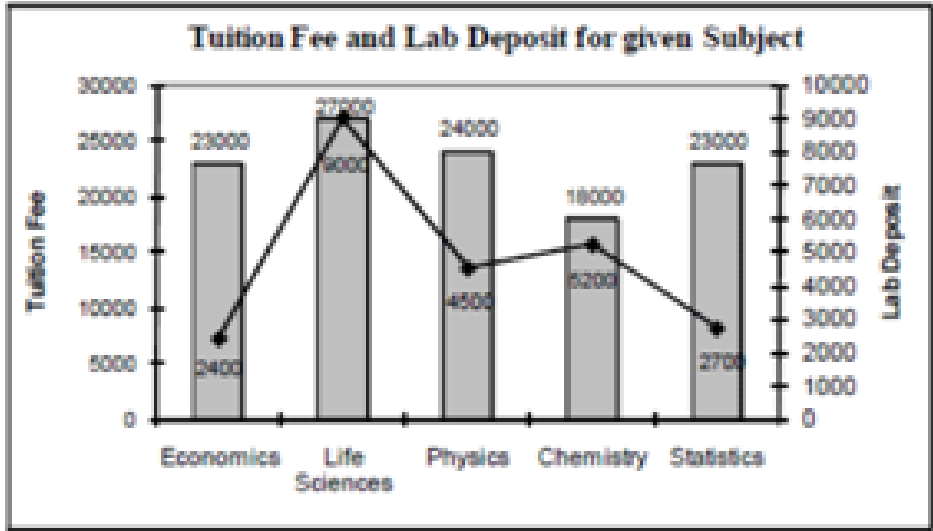
Q2. The number of Marathi books on Dramatics is certainly not greater than \_\_\_\_\_.  
a. 2000                      b. 3000                      c. 1200                      d. 2500

Q3. Which of the following statements is certainly true?  
Statement I: The number of English books on Autobiographies is same as the number of English books on Philosophy.  
Statement II: The number of Marathi books on Dramatics is greater than 20.  
  
a. Only Statement I                      b. Only Statement II  
c. Both I and II                      d. Neither I nor II



The data given below indicates the distribution of the fees for Semester I at ABC University. The bar graph indicates the tuition fee and the line graph indicates the lab deposit.

**Academic Fee Structure**



(I)

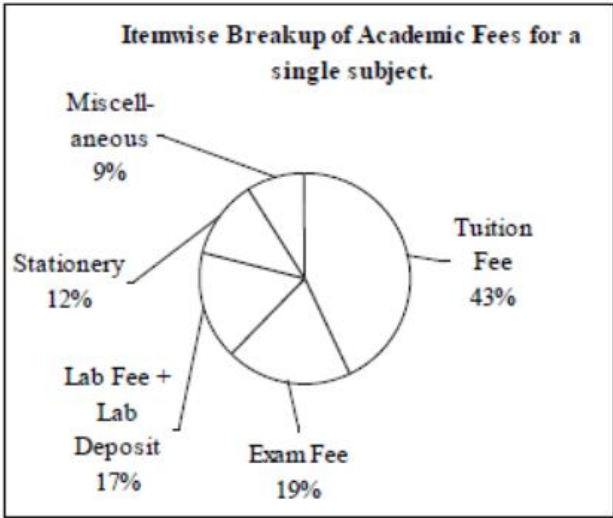
Total Fees for the Semester is the sum of Academic and Non-academic fees.

**Non-academic Fee Structure for semester I**

Itemwise Breakup of Non-academic Fees

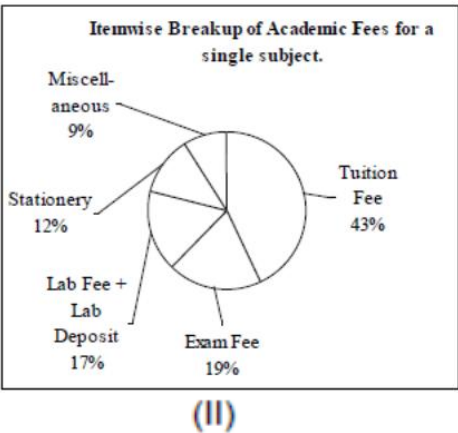
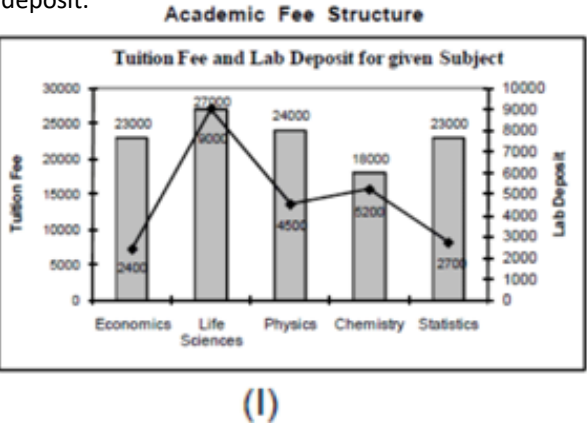
Computer Facilities	50000
Gymkhana Fee	10000
Library Fee	5000
Hostel Fee	30000

(III)



(II)

The data given below indicates the distribution of the fees for Semester I at ABC University. The bar graph indicates the tuition fee and the line graph indicates the lab deposit.



**Non-academic Fee Structure for semester I**  
**Itemwise Breakup of Non-academic Fees**

Computer Facilities	50000
Gymkhana Fee	10000
Library Fee	5000
Hostel Fee	30000

(III)

Q3. The university adds one more subject 'Mathematics' to the course, which does not need a lab. Hence lab fees and lab deposits that are allotted for Mathematics are distributed evenly among all the remaining categories of academic fees. What will be the total fees for Semester I, given that tuition fees for Mathematics is Rs.24000? (Assume that the overall itemwise percentage break up of the academic fees of a subject remains the same.)

- 1) Rs.434,000    2) Rs.413,000    3) Rs.394000    4) Rs.379000

Q1. Which of the following is closest to the sum of lab fees for all the five subjects?

- 1) Rs.22000    2) Rs.30000    3) Rs.16000    4) Rs.6000

Q2. For Semester II, the tuition fee for Physics, Chemistry and Statistics increases by 12% and decreased by 9% for the other two subjects. Itemwise percentage breakups of academic fees remains unchanged. Approximately what is the difference between total fees of 2 semesters?

- 1) Rs.7700    2) Rs.7200    3) Rs.8100    4) Rs.3300