

Math-2205 Class Test 01 Section C

1. Consider the following frequency polygon representing the amount withdrawn by the employees of an institution.



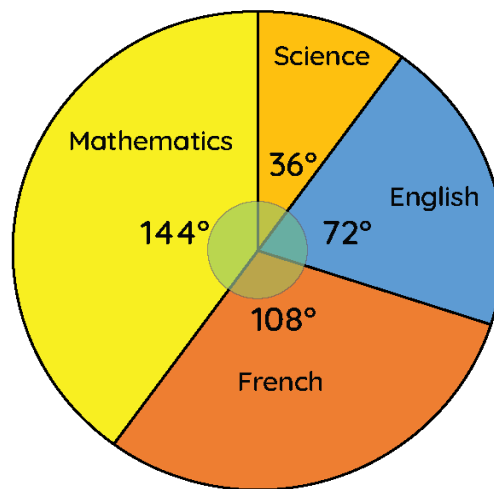
- Construct the frequency distribution table of the given employees. [2]
- Find the harmonic mean of the distribution. [2]
- Sketch the cumulative frequency polygon of the distribution and hence find the median. [3]
- Find the standard deviation of the distribution. [2]
- Which percentage of the employees in the modal class. [1]

Math-2205 Class Test 01 Section E

1. Consider the frequency distribution table given below for the followings.

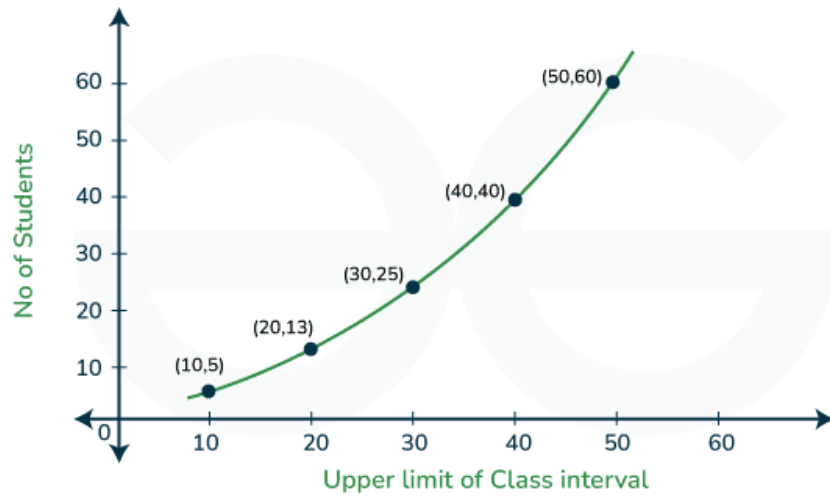
Class	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60
Frequency	a	14	11	10	6
Cumulative frequency	9	23	34	b	50

- (i). Find the values of a and b to complete the frequency distribution table. [1]
 - (ii). Sketch the histogram and hence find the mode. [3]
 - (iii). Find the mean deviation from the mode. [2]
 - (iv). Find the percentage of weights between 20 and 40? [2]
2. Consider the total 200 students having their favorite subjects as follows. Find the number of students in favor of each subject. [2]



Math-2205 Class Test 01 Section K

1. Consider the following cumulative frequency polygon representing the distribution of the height of 60 students.



- Construct the frequency distribution table of the given students. [2]
- Find the geometric mean of the distribution. [2]
- Sketch the pie chart of the distribution. [2]
- Find the median of the distribution and hence the mean deviation. [4]