

Answer **all five** questions from this section.

Question 1**(25 marks)**

The size, mean and standard deviation of four sets of data A, B, C and D are given in this table:

	A	B	C	D
size (N)	1000	100	100	10
mean (μ)	10	100	1000	100
standard deviation (σ)	20	30	20	10

Complete the sentences below by inserting the relevant letter in each space:

- (a) The set that contains more numbers than any other is ____ and the set that contains fewer numbers than any other is ____.
- (b) On average, the data in set ____ are the biggest numbers and the data in set ____ are the smallest numbers.
- (c) The data in set ____ are more spread out than the data in the other sets.
- (d) The set that **must** contain some negative numbers is set ____.
- (e) If the four sets are combined, the median is most likely to be a value in set ____.