

**MARKS**

5

1. Suppose that you are investigating the relationship between political attitudes and length of hair among male university students. You will measure political attitudes with a standard questionnaire; indicate briefly how you will measure hair length. Give clear instructions *in point form* that your assistant can follow, including a statement of the *units* of measurement and the *measuring instrument*.

┌──────────────────┐
┌──────────────────┐  
Units
Measuring instrument

**MARKS**

5

(3, 2)

2. You want to compare the 'size' of several statistics textbooks.
  - (a) Give three (3) possible numerical variates that make precise the vague idea of the 'size' of a book; for each variate, give the *units* of measurement and the *measuring instrument* required.
  - (b) Explain briefly which variate is most appropriate for estimating how long it would take you to read the book; for deciding whether it would fit into your bag.

(a) (1)   ┌──────────────────┐   ┌──────────────────┐   ┌──────────────────┐  
Variate                      Units                      Measuring instrument

(a) (2)   ┌──────────────────┐   ┌──────────────────┐   ┌──────────────────┐  
Variate                      Units                      Measuring instrument

(a) (3)   ┌──────────────────┐   ┌──────────────────┐   ┌──────────────────┐  
Variate                      Units                      Measuring instrument

(b) Read:

(b) Fit in bag: