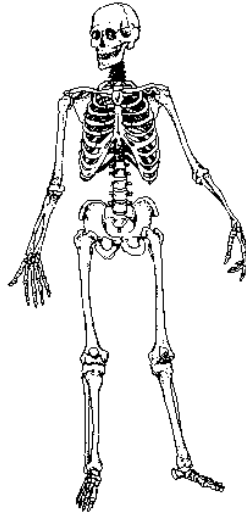


**Marks**

**Question 32 — The Human Story (25 marks)**

- (a) (i) Identify ONE feature that can be used to classify humans as mammals. **1**
- (ii) The diagram shows a *Homo sapiens* skeleton. **2**

**Homo sapiens skeleton**



State TWO structural differences between this skeleton and the skeleton of *Australopithecus afarensis*.

- (b) (i) How would you gather information about the use of radiometric data to date material collected from a fossil site? **2**
- (ii) How would you assess that the information you collected was relevant and reliable? **2**

- (c) Analyse the evolutionary significance of the phenotypes displayed in ONE example of polymorphism in humans. **5**

- (d) In your study of The Human Story, you performed an investigation to analyse the similarities and differences between prosimians, monkeys, apes and humans. **6**

By referring to TWO features of these primates, outline the information you gathered to perform this analysis, and justify the conclusions drawn from this information.

- (e) What would you predict will be the main factors affecting human biological evolution in the next one hundred years? Justify your predictions. **7**