

Section II

35 marks

Attempt Questions 16–20

Allow about 50 minutes for this section

Answer the questions in the spaces provided. These spaces provide guidance for the expected length of response.

Question 16 (6 marks)

- (a) Define the terms *anatomy* and *physiology*. 2

Anatomy = study of living things e.g. plants

Physiology = study of movement of the body

- (b) *Homeostasis* is a term that describes the state of physiological balance within the body. 4

Provide an example of *homeostasis* and explain how it works.

Fatness = if you eat a lot and not doing any exercise you get fat and the fatness is staying there but if you eat a lot and at the same time do lots of exercise or just constant movement is good for the body. (note it's not good if you don't have any fat in your body.)