

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

These terms relate to the structure of the human body. Anatomy is the study of the structure of the human body and physiology is the study of the function of the body parts.

- (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.

One example of homeostasis is ~~diabetes~~ diabetes, ~~as it~~ as it affects the whole wellbeing and balance of the body. The balance is disrupted as the pancreas creates an insufficient supply of insulin (or too much), thus affecting the blood glucose levels, resulting in drowsiness or other related symptoms/illnesses.