

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 - is the study of the
body + how it works - heart, lungs (major organs).
Physiology - is the study of the
body and how it moves and works.
- bones, muscles etc.

- (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.

Homeostasis ~~controls~~ works by identifying
to external environment and
changing the body's internal
environment to its appropriateness.
Cooling down - sweating and
blood diluting.