

## 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 → mechanics of body

P →

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

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Anatomy is the mechanics of a body; how it works and what it's made up of.

Physiology is the study of the human body or the anatomy.

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

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

Within the ear there is a small amount of fluid contained in a small area. Once this water like substance becomes 'swished around' it quickly irritates our balance making us unstable even unable to stand. As the water swirls our brain connects this moving motion making us off balance.