2012 HIGHER SCHOOL CERTIFICATE EXAMINATION Human Services

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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. Anatomy is the body parts and how they function Physiology: is the function of the muscles and bones

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

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

The control of carbon diaxide in the blood and lungs: As oxygen is inhaled into the lungs and then. joins to harmoglobin it then turns to carbon dioxide. Carbon dioxide is a waste product and efforts the acidic levels of the blood As it travels around the body in the blood supply it then reaches the lungs again and is exhaued out of the lungs as Coz. The cycle then continues