

FIS1601

October/November 2017

HUMAN ANATOMY AND PHYSIOLOGY

Duration 2 Hours

100 Marks

EXAMINERS

FIRST

SECOND

MR AR MUDAU

PROF SL LEBELO

Closed book examination

This examination question paper remains the property of the University of South Africa and may not be removed from the examination venue.

This paper consists of TWO (2) pages.

ANSWER ALL THE QUESTIONS IN THE EXAMINATION ANSWER BOOK PROVIDED.

[TURN OVER]

QUESTION 1**[1×5=5]**

Define the following terms

- 1 1 Prokaryotic cell
- 1 2 Myopia
- 1.3 Physiology
- 1 4 Exocytosis
- 1 5 Astrocytes

QUESTION 2**[40]**

Write essays on the following

- 2 1 the anatomy of the eye and ear, and the problems with eyesight and hearing (20)
- 2 2 the composition and functions of blood (10)
- 2 3 the features and actions of immune cells (10)

QUESTION 3**[15]**

Discuss the anatomy of the following

- 3 1 respiratory system (5)
- 3 2 digestive system (5)
- 3 3 endocrine system (5)

QUESTION 4**[40]**

Provide labelled diagrams of the following

- 4 1 bones and muscles of the leg (10)
- 4 2 the cardiovascular system (10)
- 4 3 the normal cell (10)
- 4 4 the layer within skin (10)

TOTAL MARKS: [100]