



JUNE EXAMINATION

PROGRAM : **HUMAN MOVEMENT STUDIES**
MODULE NAME : **SPORTS VISION**
MODULE CODE : **SVIS001**
DATE : **JUNE 2017**
DURATION : **THREE (3) HOURS**
TOTAL MARKS : **120 MARKS**

EXAMINER : **MRS N. HORWITZ**
MODERATOR : **MR J. MUNDELL**
NUMBER OF PAGES : **THREE (3) PAGES**

INSTRUCTIONS TO CANDIDATES:

MAKE SURE THAT YOU HAVE THE COMPLETE PAPER.

ANSWER ALL THE QUESTIONS.

SECTION A IS THEORY

SECTION B IS APPLICATION.

SECTION A: THEORY [65 MARKS]

QUESTION 1

List the components of the visual pathway. (7)

QUESTION 2

Discuss the optical illusion known as the “rising fastball”. (10)

QUESTION 3

Discuss the concept of being dominant in one eye. (5)

QUESTION 4

Give disadvantages of wearing spectacles in a sports setting. (10)

QUESTION 5

List the signs/symptoms that require immediate referral of an athlete, to casualty or an ophthalmologist, who has sustained an ocular injury during training/ competition. (15)

QUESTION 6

Differentiate between:

- a) A lens and a prism (5)
- b) A positive and a negative lens (5)
- c) Myopia vs. hyperopia vs. astigmatism (8)

SECTION B: APPLICATION [55 MARKS]

QUESTION 1

During a sport movement consultation, a myopic tennis player discusses their visual problems with you.

What symptoms could this athlete present with regarding their vision? (5)

What advice/discussion would you have for/with this client regarding their myopia? (5)

QUESTION 2

A client of yours, who was practicing karate, mentions that he/she was kicked in the face during a kumite tournament.

a) What questions would you ask this client regarding the kick to the face? (10)

b) The client states that there has been a regular, intermittent flashing light in the visual field.

What questions would you have for this client regarding this symptom? (5)

What could this symptom be indicative of? (2)

What advice would you give this client? Why? (3)

QUESTION 3

You are employed as the national field hockey team strength and conditioning coach. You realise that a missing element in the training program of the team is the integration of motor skills training with visual skills. In point form, discuss five ways of integrating motor skills training with visual skills training, giving examples. (10)

QUESTION 4

A client needs to have eye-hand coordination training. Detail a training program designed to enhance eye-hand coordination. (10)

QUESTION 5

Discuss, in point form, the visual skills of importance in motor racing. Justify your choices. (10)

TOTAL: 120 MARKS