



## **SUPPLEMENTARY EXAMINATION**

**PROGRAM** : **HUMAN MOVEMENT STUDIES**  
**MODULE NAME** : **SPORTS VISION**  
**MODULE CODE** : **SVIS001**  
**DATE** : **17 JULY 2017**  
**DURATION** : **THREE (3) HOURS**  
**TOTAL MARKS** : **120 MARKS**

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

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### **INSTRUCTIONS TO CANDIDATES:**

**MAKE SURE THAT YOU HAVE THE COMPLETE PAPER.**

**ANSWER ALL THE QUESTIONS.**

**SECTION A IS THEORY.**

**SECTION B IS APPLICATION.**

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## **SECTION A: THEORY [65 MARKS]**

### **QUESTION 1**

Differentiate between:

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

### **QUESTION 2**

Detail the uses of the Wayne Saccadic Fixator. (5)

### **QUESTION 3**

Differentiate between central-peripheral awareness and eye-hand coordination. (4)

For each of the above, give 3 examples of specific sports where these skills play a roll. (6)

### **QUESTION 4**

An athlete gets hit in the eye while playing a hockey game.

- a) You take out your pen-light to assess their pupils. What does the acronym P.E.R.R.L.A stand for? (6)
- b) List the DO's and DON'Ts of ocular first aid in this scenario. (6)
- c) Name 3 ocular signs you may see in this scenario. (6)

### **QUESTION 5**

How many extra ocular muscles are there per eye? Name them. (7)

### **QUESTION 6**

Discuss the model that proposes that skilled motor performance is the result of 3 central processing mechanisms. (10)

## **SECTION B: APPLICATION [55 MARKS]**

### **QUESTION 1**

A client of yours is a cricket player who feels that their vision is detracting from their cricket game.

- a) What questions would you ask this client regarding their complaint and why? (10)
- b) What visual skills do you think are important in the game of cricket? Justify your skills choices. (15)
- c) What advice would you have for this client? (10)

**QUESTION 2**

You are trying to explain to the coach of the Varsity rugby team that he should include a Sports Vision component to his player's training schedule. You tell him that the "eyes lead the body". What is meant by this? (5)

**QUESTION 3**

Explain in point form what the "quiet eye" is, how it is determined and give two examples of sports where the "quiet eye" plays a role. (10)

**QUESTION 4**

You have an athlete who is an up-and-coming golfer, looking to turn pro in the next few years. You advise him to wear sunglasses while he's playing.

- a) Detail in point form why you tell him this? (3)
- b) Also what colour tint would you recommend and why? (2)

**TOTAL: 120 MARKS**