

JUNE EXAMINATION

PROGRAMME	:	HUMAN MOVEMENT STUDIES
MODULE NAME	:	EXERCISE SCIENCE
MODULE CODE	:	MBK2A02/HMS2AB2
DATE	:	JUNE 2014
DURATION	:	ONE HOUR
TOTAL MARKS	:	50
EXAMINER		: MR AJJ LOMBARD
MODERATOR		: PROF Y COOPOO
NUMBER OF PAGES		: THIS PAPER CONSISTS OF TWO (2) PAGES

INSTRUCTIONS TO CANDIDATES:

MAKE SURE THAT YOU HAVE THE COMPLETE PAPER.

ANSWER ALL THE QUESTIONS.

QUESTION 1

Distinguish between anabolism and catabolism. Is cellular respiration anabolic or catabolic? (5)

QUESTION 2

Discuss the function of the tempo regulating enzymes and their regulation during Carbohydrate metabolism. (12)

QUESTION 3

Discuss the usage and regeneration of ATP-PC.	(10))
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QUESTION 4

Name the five (5) physiological reasons for lactic acid production. (5)

QUESTION 5

Outline the two primary models that explain delayed onset of muscle soreness (DOMS) according to the Mechanical Traumatic Model. (8)

QUESTION 6

Name the ten training principles. (10)

TOTAL: 50