NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

SSC2206

FACULTY OF APPLIED SCIENCES

BACHELOR OF SCIENCE HONOURS DEGREE SUPPLEMENTARY EXAMINATIONS

DEPARTMENT OF SPORTS SCIENCE AND COACHING

THEORY: SSC2206: EXERCISE PHYSIOLOGY AND BIOCHEMISTRY

AUGUST 2012

3 HOURS (100 MARKS)

INSTRUCTIONS

Answer 4 questions only. Each question carries 25 marks. Where a question contains subdivisions, the mark value for each subdivision is given in brackets. Illustrate your answer where appropriate with large clearly labeled diagrams.

1.		nges that occur in the blood during exercise demonstrate that the blood is out its necessary tasks. Discuss.	(25 marks)
2.		ibe strength gains from resistance training. ibe neural control of strength gains.	(13 marks) (15 marks)
3.		in anaerobic threshold ss respiratory limitations to exercise	(10 marks) (15 marks)
4.	Altitude presents a hypobaric environment which has notable physiological impact on the human body. Describe : a) Physiological responses to exercise. b) Performance at altitude		(10 marks) (15 marks)
5.	······································		(25 marks)
6.	Briefly d a) b) d) e)	lescribe the following: Resting metabolic rate. Maximal capacity for exercise. Cardiovascular drift. Astrand –Rhyming Bicycle Ergometer Submaximal Test Protocol.	(5 marks) (5 marks) (5 marks) (10 marks)

END OF EXAMINATION