NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

SSC2112

FACULTY OF APPLIED SCIENCES								
BACHELOR OF SCIENCE HONOURS DEGREE SUPPLEMENTARY EXAMINATIONS								
DEPARTMENT OF SPORTS SCIENCE AND COACHING								
THEORY: SSC2112: SPORTS SPECIALITY MODULE (ATHLETICS)								
AUGUST 2012								
3 HOURS (100 MARKS)								
INSTRUCTIONS								
Answer four 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.	(a)	Give a biomechanical analysis of the fundamental techniques:						
		i. in one horizontal	[12 marks]					
		ii. one vertical jump	[13 marks]					
You may support your answer with diagrams.								
2.	(a) Ana	alyse the demand profile in a jumping event of your choice.	[16marks]					
	(b) With reference to training the young athlete discuss:							
	[3 marks]							
	[3marks]							
		iii. Anaerobic training	[3 marks]					
3.	From your knowledge of biomechanics, describe any five faults that a novice can commit when learning the triple jump. [25 mark							
4.		dentify, describe and justify your choice of test and control methods for an athlete vho specialises in the sprint hurdles. [25 marks]						
5.	(a)	Describe the phase structure of jumping	[12 marks]					
	(b) (c)	State and describe any three drills one can use to develop the triple jump technique.	[9 marks]					
		State and describe two tests you would use to predict performance in jumps.	[6 marks]					

6. (a)		Discus	s three biomechanical aspects affecting performance in jumps.	[6 marks]
	(b)	The more than the more that th	ovement of the jumping events can be broken down into four main State the four phases.	[8 marks]
		ii.	Critically discuss their contribution to performance.	[11 marks]

END OF EXAMINATION