



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2011/2012

INSTITUTION BASED PROGRAMME

DECEMBER SESSION EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE

HSS 509: PHARMACOLOGY IN EXERCISE AND SPORTS

DATE: Friday 4th May, 2012

TIME: 2.00 p.m. – 5.00 p.m.

INSTRUCTIONS

Answer THREE questions, each in a separate booklet.

1. Analyse the Mechanisms of Action of Nitrites and their effects on sports and performance. [23½ marks]
2. Expound on the possible side effects of non-dihydropyridine Calcium channel blockers, their effect on exercise performance and use in sports. [20 marks]
3.
 - a) Describe the Mode of action of vasodilators in clinical use. [13½ marks]
 - b) Explain the effects of the four classes of vasodilators on exercise performance. [10 marks]
4. Expound on the mechanisms of action of Aspirin and COX II inhibitors and their use in exercise and sport. [23½ marks]
5. Explain the clinical benefits of bronchodilator agents, their effect on exercise and their WADA status. [23½ marks]

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