



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2009/2010

INSTITUTIONAL BASED PROGRAMME

EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE

SZL 526: MUSCLE PHYSIOLOGY

DATE: FRIDAY, 30TH APRIL 2010

TIME: 2.00 P.M. - 5.00 P.M.

INSTRUCTIONS:

Answer any FOUR questions.

Illustrate your answers with diagrams and give examples where appropriate.

1. Describe in detail the histochemical characterization of skeletal muscle fibres.
2. Discuss the causes of weakness and the manifestations of Duchene muscle dystrophy.
3. Describe the ultrastructure and mechanism of contraction of skeletal muscles.
4. Give a detailed account of the changes that occur following implantation of a free muscle graft.
5. Describe the structure and functions of cardiac muscles.
