

EASTERN UNIVERSITY, SRI LANKA  
THIRD EXAMINATION IN SCIENCE 2004/2005 (October 2006)  
SECOND SEMESTER

ZL 301 - HUMAN BIOLOGY

Time: **Two** hrs

Answer **all** questions.

( Illustrate your answers with clear labeled diagrams where necessary).

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1. a) Describe briefly the different types of articulation and bipedalism  
b) Explain the anatomy of the skeletal muscle and discuss the sliding filament theory of muscle contraction.
2. Write short notes on the following.
  - a) Cardiac cycle
  - b) Small intestine
  - c) Oxygen debt
3. Briefly describe the structure of the kidney and explain how selective reabsorption takes place
4. Write an essay on the neuron and its role in body response.

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