

EASTERN UNIVERSITY, SRI LANKA

THIRD EXAMINATION IN SCIENCE 2005/2006 (March 2011)  
SECOND SEMESTER  
EXTERNAL DEGREE  
EXTZL 301 – HUMAN BIOLOGY

Time: Two hours

Answer all questions

(Illustrate your answer with clear labeled diagram wherever necessary)

- 01) Describe the structure of human skeletal muscle fiber and explain its mechanism of contraction.
- 02) Write brief essay on the following:
  - a) Briefly describe the gross structure of human ear and explain the mechanism of hearing.
  - b) Cardiac cycle of human.
- 03) What is a hormone? Write briefly about the human pituitary gland and its hormones.
- 04) Write short notes on any TWO of the followings:
  - a) Neural action potential
  - b) Types of Antibodies and its general structure
  - c) Structure of nephron and its involvement in ultra filtration.

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