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**W1-2-60-1-6**

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

# University Examinations 2014/2015

**YEAR I SEMESTER II EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN INDUSTRIL CHEMISTRY (BIOLOGICAL)**

# SZL 2130: HUMAN ANATOMY & PHYSIOLOGY

**DATE: APRIL, 2015**  **TIME: 2 HOURS**

**INSTRUCTIONS: Answer Question ONE (Compulsory) and Any Other TWO Questions.**

**Question One (30 Marks)**

a) Describe the types of heart valves stating their function. [6 marks]

b) Describe the anatomy of the thymus. [6 marks]

c) State the functions of the skeletal system in humans. [6 marks]

d) State six functions of neuroglia cells. [6 marks]

e) Describe the anatomy of the human heart. [6 marks]

**Question Two (20 Marks)**

Describe in details the functional anatomy of the respiratory system.

**Question Three (20 Marks)**

Discuss the role of pituitary gland secretions in controlling metabolic activities in a human boy.

**Question Four (20 Marks)**

Discuss the factors that affect blood pressure.

**Question Five (20 Marks)**

Describe in details the gross anatomy of the human urinary system.