



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2009/2010
INSTITUTIONAL BASED PROGRAMME (IBP)
EXAMINATION FOR THE DEGREE OF EDUCATION
(SPECIAL EDUCATION)
ESN/P 104: ANATOMY AND PHYSIOLOGY OF HUMAN

DATE: Thursday 29th April, 2010

TIME: 11.00 a.m – 1.00 p.m

INSTRUCTIONS:

Answer ALL Questions in Section ONE and TWO questions in Section TWO.

SECTION ONE (30 MARKS)

1. Explain the following cell division
 - a) Mitosis [2 marks]
 - b) Meiosis [2 marks]
2. Describe the three types of muscle tissues. [3 marks]
3. Differentiate between Autonomic nerves and Somatic nerves. [4 marks]
4. Explain the functions of the following parts of the eye.
 - a) Iris [1 mark]
 - b) Ciliary muscles [1 mark]
5. The mechanism of hearing is a complex system. Explain . [3 marks]
6. Describe three types of hearing loss. [6 marks]
7. Explain the following health impairments
 - a) Asthma [2 marks]
 - b) Cardiopulmonary conditions [2 marks]

8. What is meant by the term sensory integration? [2 marks]
9. Explain what development delay means. [2 marks]

SECTION TWO (40 MARKS)

10. Discuss Piagets's cognitive development and the limitations associated with different levels of mental retardation. [20 marks]
11. Using a diagram describe the structure of the eye and functions . [20 marks]
12. Prepare a presentation to parents of the children with physical impairment on neurological problems. [20 marks]
13. a) Describe the most important excretory structures of the body. [15 marks]
- b) Discuss the functions in “ a” above. [5 marks]