



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2009/2010

INSTITUTIONAL BASED PROGRAMME (APRIL SESSION)

EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION (SPECIAL EDUCATION)

PSE 416: INTRODUCTION TO AUDIOLOGY

DATE: Friday 3rd September 2010

TIME: 8.00a.m – 10.00a.m

INSTRUCTIONS:

Answer ALL questions from Section ONE and TWO questions from section TWO

SECTION ONE (30MARKS)

1. Explain the following terms:
 - a) Frequency
 - b) Transduction
 - c) Labyrinth
 - d) Puretone audiometry [8marks]
2. State any two branches of audiology. [2marks]
3. Identify four factors that affect hearing. [4marks]
4. Describe how sound is produced. [6marks]

5. Explain the occurrence of auropalpebral reflex in young children. [4marks]
6. State the three screening tests for hearing. [3marks]
7. Explain the difference between consumer and transplant models of professional as used in audiology. [2marks]
8. What is the name given to unnecessary retention of sound in a room? [1mark]

SECTION TWO (40MARKS)

9. Draw a audiogram and plot a severe hearing loss in the left ear (in the high frequency) and moderate hearing loss in the right ear (in mid frequency). Explain the type of hearing loss that is reflected in the diagram. [20marks]
10. Using illustrations, describe the vestibular functions of the cochlea. [20marks]
11. You have been asked to conduct one screening test and one diagnostic test of hearing. Explain how you will organize for the tests.
12. Discuss the effects of impedance transformers. [20marks]