

# Mount Kenya University



**UNIVERSITY EXAMINATION 2014/2015**

**SCHOOL OF EDUCATION  
DEPARTMENT OF SPECIAL NEEDS EDUCATION**

**BACHELOR OF EDUCATION IN SPECIAL NEEDS EDUCATION  
SCHOOL BASED**

**UNIT CODE: BSE3207**

**UNIT TITLE: INTRODUCTION TO AUDIOLOGY  
AND ELECTRO-ACOUSTIC I**

**DATE: AUGUST 2015**

**MAIN EXAM**

**TIME: 2 HOURS**

**INSTRUCTIONS: ANSWER ALL QUESTIONS IN SECTION A AND ANY  
OTHER TWO QUESTIONS IN SECTION B**

**SECTION A: COMPULSORY (30 MARKS)**

1. a) Define the following terms and concepts in audiology;
  - i) Amplification. (1 Mark)
  - ii) Speech perception. (1 Mark)
  - iii) Education audiology. (1 Mark)
  - iv) Auditory training. (1 Mark)
  
- b) Distinguish between clinical audiology and Geriatric audiology. (4 Marks)
  
- c) What are the major disadvantages of in-the-ear hearing aids for children with hearing impairment. (2 Marks)
  
- d) i) What is a speech training unit? (2 Marks)

- ii) Identify three main advantages of speech training unit. (3 Marks)
- e) Explain how distance may affect hearing. (4 Marks)
- f) Explain why do we use carpets or wall with soft materials in a room. (4 Marks)
- g) Describe three ways in which you can amplify sound for learners with hearing impairment. (3 Marks)
- h) State four factors that affect speech reception and production. (4 Marks)

**SECTION B: ANSWR ANY TWO QUESTIONS FRIN THIS SECTION:(40 MARKS)**

- 2. Discuss how sound absorpion in a room affect speech intelligibility. (20 Marks)
- 3. Describe what you should consider in selecting an individual hearing aid for a learner with hearing impairment. (20 Marks)
- 4. Explain how learners with hearing impairment can be identified (behavioural characteristics) (20 Marks)
- 5. Describe the procedures used in carrying out auditory training test. (20 Marks)