



MACHAKOS UNIVERSITY

University Examinations for 2021/2022 Academic Year

SCHOOL OF EDUCATION

DEPARTMENT OF EDUCATIONAL PSYCHOLOGY & SNE

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF EDUCATION (SPECIAL NEEDS EDUCATION)

ESN 455: AUDIOLOGY AND ELECTRO –ACCOUSTICS

DATE:

TIME:

INSTRUCTIONS: Answer Question one (compulsory) and any other two questions.

1.
 - a) Highlight five properties of sound (5 marks)
 - b) Explain the purpose of an Otoscopec (5 marks)
 - c) Identify characteristics of a hard of hearing child (8 marks)
 - d) Explain 3 problems associated with permanent hearing loss in an individual (6 marks)
 - e) Describe 3 responsibilities of an Educational audiologist (6 marks)
 - f) Discuss what is industrial audology (5 marks)
2. Discuss sound conduction from a source up to when perception is said to have take place. (20 marks)
3. Describe the functions of each part of the human ear (20 marks)
4.
 - a) Explain the three hearing losses according to the location of the disease within the Ear. (10 marks)
 - b) Discuss hearing loss according to the age at onset. (10 marks)
5. Prepare a sample checklist one would use in the assessment of hearing loss. (20 marks)