

## JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY SCHOOL OF EDUCATION UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF

## UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION SPECIAL NEEDS EDUCATION 4<sup>TH</sup> YEAR 2<sup>ND</sup> SEMESTER DECEMBER 2016 ACADEMIC YEAR 2016/2017

## **MAIN CAMPUS- REGULAR**

**COURSE CODE:** ESE 411

**COURSE TITLE:** INTRODUCTION TO AUDIOLOGY

**EXAM VENUE:** STREAM: (BEd. SNE)

DATE: EXAM SESSION:

TIME: 2 HOURS

## **Instructions:**

- 1. Answer question 1 (compulsory) and any other 2 questions.
- 2. Candidates are advised not to write on the question paper.
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.

<ul><li>a)</li><li>b)</li><li>c)</li><li>d)</li><li>e)</li></ul>	<ul> <li>i. Frequency and intensity of sound</li> <li>ii. Perception and loss of sound</li> <li>iii. Hearing aid and audiogram</li> <li>Explain what is meant by reverberation of sound</li> <li>Describe what result to hearing impairement in the inner ear. (8 n</li> <li>Explain how decibels and frequencies are applicable in assessment of marks)</li> </ul>	(6 marks) 4 marks) narks) of hearing loss (6
Qn 2		
	save decided to perform servening test of hearing in a room	
You have decided to perform screening test of hearing in a room  a) With specific examples, explain how distraction and performance tests of hearing loss are		
conducted (8 marks)		
b) Brie	efly describe the acoustic treatment of such a room	(4 marks)
c)		
i. ii.	Describe the use of audiometer in an Audiological assessment of hea State the levels of hearing loss that result after audiometric test of he	
Qn 3		
a)	i. High frequency, mid frequency and low frequency sounds. (	12 marks) (8 marks)
Questi	ion 4	
Giving	g details, describe how the process of hearing takes place	(20 marks)
Qn 5		
a) Wh	at is residual hearing and its application in a classroom situation?	(4 marks)
b) Stat	te any three examples of a hearing aid	(3 marks)
c) As a teacher in a class of learners with hearing impairement, state:		
i. ii.	What you do before providing a child with hearing aid.  State how this hearing aid should be managed for effective use in the marks)	(3 marks) e class. (6
d) Using the audiogram form provided, draw an audiogram indicating that the right ear has moderate hearing loss. (4 marks)		