

- a. Bilateral Conductive hearing loss with a middle ear resonant frequency of 1KHz.
 - b. Delayed speech and language development in a three (3) year-old child.
3. Design a program to protect workers from noise-induced hearing loss in a weaving industry.

Tanta University
ENT Department

Time: 3 hours

22/4/2012

M.D. Audiology
First paper

All questions must be answered:

Instructions: please write Table of Contents for every question in all parts of the exam

1. Hearing diagnosis in a neonate who failed screening is a challenge. Comment and elaborate.
2. Discuss clinical applications and limitations of obligatory cortical evoked response in a pediatric population.
3. Give an account on:
 - a. Syndromes with craniofacial anomalies and describe one of them in detail.
 - b. Assessment of olivocochlear bundle function (Rasmussen bundle).

Tanta University
ENT Department

Time: 2 hours

29/4/2012

M.D. Audiology
Third paper
Electronics and hearing aids

All questions must be answered:

Instructions: please write Table of Contents for every question in all parts of the exam

1. Discuss recent techniques to overcome the following auditory states:
 - a. Feedback problems
 - b. Occlusion effect
 - c. Dead regions of the cochlear at 4-8 KHz

2. Describe with illustration:
 - a. VNG Goggles
 - b. Different electrode design in cochlear implantation

3. Discuss directionality in hearing aids.

Tanta University
ENT Department

Time: 3 hours

2/5/2012

M.D. Audiology
Fourth paper
Rehabilitation

○All questios must be answered:

Instructions: please write Table of Contents for every question in all parts of the exam

1-Design a rehabilitation program for:

- a. A two (2) year-old child with severe hearing loss appropriately fitted with 2 hearing aids.
- b. A young adult with a sense of imbalance during walking for 2 years following an attack of vestibular neuritis.

2- Discuss factors affecting the psycho-social adjustment of hearing impaired students.

Fourth paper
Rehabilitation

○All questios must be answered:

Instructions: please write Table of Contents for every question in all parts of the exam

1-Design a rehabilitation program for:

- a. A two (2) year-old child with severe hearing loss appropriately fitted with 2 hearing aids.
- b. A young adult with a sense of imbalance during walking for 2 years following an attack of vestibular neuritis.

2- Discuss factors affecting the psycho-social adjustment of hearing impaired students

Tanta University
ENT Department

Time: 3 hours

26/4/2012

M.D. Audiology
Secon paper

○○All questios must be answered:

Instructions: please write Table of Contents for every question in all parts of the exam

1. Auditory cognition is a pre-requisite for normal speech and language acquisition. Discuss and elaborate different methods of assessment.
2. How to proceed to reach a diagnosis in the following cases: