

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0523]

MAY 2023

Sub. Code: 2811

**M.Sc. AUDIOLOGY DEGREE EXAMINATION
SECOND SEMESTER (From 2021-2022 onwards)
PAPER I – AUDITORY PERCEPTION**

Q.P. Code: 282811

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Elaborate on Binaural hearing and explain Masking level difference.
2. Elaborate on localization vs. lateralization and Effect of hearing loss on localization.

II. Write notes on:

(10 x 6 = 60)

1. Methods of studying adaptation.
2. Timber perception.
3. Monaural localization.
4. Musical scales/Musical notes.
5. Temporal modulation transfer function in normal and individuals with hearing impairment.
6. Factors affecting localization.
7. Models of temporal processing.
8. Masking level difference.
9. Neurophysiology of localization.
10. Adaptation vs. fatigue.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1023]

OCTOBER 2023

Sub. Code: 2811

**M.Sc. AUDIOLOGY
SECOND SEMESTER (From 2021-2022 onwards)
PAPER I – AUDITORY PERCEPTION**

Q.P. Code: 282811

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Elaborate on methods of studying adaptation and explain factors affecting adaptation.
2. Elaborate on monaural localization and factors affecting localization.

II. Write notes on:

(10 x 6 = 60)

1. Temporal integration.
2. Timber perception.
3. Auditory object perception.
4. Musical scales /Musical notes.
5. Temporal modulation transfer function in normal and individuals with hearing impairment.
6. Factors affecting localization.
7. Models of temporal processing.
8. Masking level difference.
9. Neurophysiology of localization.
10. Adaptation vs. fatigue.

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[AHS 1024]

OCTOBER 2024

Sub. Code: 2811

**M.Sc. AUDIOLOGY
SECOND SEMESTER (From 2021-2022 onwards)
PAPER I – AUDITORY PERCEPTION**

Q.P. Code: 282811

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss temporal processing abilities. Explain the method to measure temporal resolution and temporal pattern perception abilities.
2. Discuss about the methods of studying adaption and write notes on Neurophysiological basis of adaption.

II. Write notes on:

(10 x 6 = 60)

1. Write notes on Monaural localization.
2. Explain about factors affecting localization.
3. Models of Binaural hearing.
4. What are the consequences of altered temporal processing?
5. Explain basic concepts in auditory object perception.
6. Describe about discrimination of modulation frequency.
7. Discuss the methods used to obtain gap detection thresholds in sinusoids.
8. Write short notes on musical notes.
9. Temporal cues for object perception.
10. Overview of binaural hearing.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1025]

OCTOBER 2025

Sub. Code: 2811

**M.Sc. AUDIOLOGY
SECOND SEMESTER (From 2021-2022 onwards)
PAPER I – AUDITORY PERCEPTION**

Q.P. Code: 282811

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Compare various methods available to evaluate temporal perception in detail.
2. What are the various methods of studying adaptation? Explain each method with its merits and demerits.

II. Write notes on:

(10 x 6 = 60)

1. Masking level difference
2. Western musical scales
3. Perception of distance for simple and complex signals
4. Factors affecting localization
5. Adaptation in sensory neural hearing loss
6. Stimulus factors affecting adaptation
7. Differentiate spectral and temporal cues for object perception
8. Auditory pattern perception in sensory neural hearing loss
9. Temporal integration in cochlear hearing loss
10. Temporal modulation transfer function in auditory neuropathy spectrum disorders.
