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MP-1299

Sl. No. 0026

Total No. of Page : 1

II Semester M.Sc. Examination, July - 2025

(Scheme : CBCS)

AUDIOLOGY

Psychophysics of Audition

Time : 2 Hours

Max. Marks : 50

Instruction : Answer all the questions.

- I. 1) Explain in detail the various spectral and temporal cues for auditory stream segregation. [10]

OR

- 2) Describe the time variant and time invariant cues for timbre perception. [10]

- II. 3) Explain the cues for localization of complex tones in detail. [15]

OR

- 4) a) Describe the cues used for horizontal localization. [10]

- b) Write a short note on time intensity trading. [5]

- III. 5) Describe in detail the various models of binaural hearing. [15]

OR

- 6) a) Explain in detail the importance of masking level difference in binaural hearing. [10]

- b) Write a short note on Binaural interference. [5]

- IV. 7) Describe the various methods to study adaptation. [10]

OR

- 8) Explain the various factors affecting adaptation. [10]



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MP-1300

Sl.No. 0001

Total No. of Pages : 2

II Semester M.Sc. Examination, July - 2025

(Scheme : CBCS)

AUDIOLOGY

Electrophysiological Assessment of the Auditory System

Time : 2 Hours

Max. Marks : 50

Instruction : Answer all questions.

- I. 1) Describe the different types of stimuli used for recording AEPs along with their significance. [10]

OR

- 2) Describe the various ways of representing AEPs and their significance. [10]

- II. 3) Describe different AEP techniques used to detect endolymphatic hydrops. Which of these techniques do you recommend for clinical use? Justify. [15]

OR

- 4) Write short notes on :
a) Derived band ABRs and their clinical utility. [10]
b) Response analysis of speech evoked ABRs. [5]

- III. 5) What are the challenges in recording AMLR? How do you compare AMLR with ASSR for hearing threshold estimation? [15]

OR

- 6) Write short notes on :
a) Recording and interpretation of cVEMP. [10]
b) ALLR for hearing aid prescription. [5]

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IV. 7) Write short notes on :

[2 × 5 = 10]

- a) Endogenous nature of P300.
- b) Method and need to study audio-visual & speech processing using AEPs.

OR

- 8) What is high density EEG recording? What is its importance in cortical potentials? [10]



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MP-1301

Sl. No. 0006

Total No. of Page : 1

II Semester M.Sc. Examination, July - 2025

(Scheme: CBCS)

AUDIOLOGY

Neurophysiology of Hearing

Time : 2 Hours

Max. Marks : 50

Instruction : Answer all the questions.

I. 1) Describe coding of intensities and frequency in the auditory nerve. [15]

OR

2) a) What are the major differences between type I and type II auditory nerve fibers. [8]

b) Brief about generation of action potential. [7]

II. 3) Explain the role of auditory brainstem responses in sound localization [15]

OR

4) Describe the coding of acoustic signal at cochlear nucleus and superior olivary complex. [15]

III. 5) Describe the processing of speech in the auditory system. [10]

OR

6) Describe the functional architecture of auditory cortex. [10]

IV. 7) Explain the role of olivocochlear bundle in hearing. [10]

OR

8) Describe the anatomy of non daminal auditory pathway. [10]



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Sl.No. 0097

Total No. of Pages : 2

II Semester M.Sc. Examination, July - 2025

(Scheme : CBCS)

AUDIOLOGY/SPEECH-LANGUAGE PATHOLOGY

Clinical Behaviour Analysis

Time : 2 Hours

Max. Marks : 50

Instruction : Answer all the questions.

I. 1. Describe the recent variations in behaviour therapy. [10]

OR

2. Describe the various principles of classical conditioning. [10]

II. 3. Write short notes on:

a) BASIC-MR [5]

b) Activity Scheduling [5]

c) Shaping [5]

OR

4. What are the steps involved in problem behavior remediation? [15]

III. 5. Write short notes on:

a) Habit Reversal Techniques [5]

b) Prompting [5]

c) Systematic Desensitization [5]

OR

P.T.O.

6. Write short notes on:

- a) Time - out [5]
- b) Self-Control Procedure [5]
- c) Compliance Training [5]

IV. 7. Write short notes on:

- a) Biofeedback [5]
- b) Importance of Choice Theory in Reality Therapy [5]

OR

8. Describe the salient features of Transactional Analysis. [10]

