

# Question Paper

Exam Date & Time: 01-Sep-2022 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER M.Sc. in AUDIOLOGY DEGREE EXAMINATION - SEPTEMBER 2022  
SUBJECT: AUD5204 - ADVANCES IN THE MANAGEMENT OF HEARING LOSS  
(2021 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Describe various methods to improve speech perception through hearing aids with evidence from recent literature. (20)
- 2) Discuss with evidence from literature, the effectiveness of auditory training and speech reading training for adults and older adults. (20)
- 3A) Explain audiological management of persons with hyperacusis. (10)
- 3B) Explain recent advancements to control acoustic feedback and distortion. (10)
- 3C) Elaborate on assessment of listening needs. (10)
- 3D) Elaborate on directionality in hearing aids. (10)
- 4A) Write briefly on non-audiological management techniques for tinnitus. (5)
- 4B) Write a note on compression and expansion. (5)
- 4C) What is the role of counselling in tinnitus management? (5)
- 4D) What is the application of wireless technology, data logging, trainable hearing aids. (5)

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# Question Paper

Exam Date & Time: 02-Sep-2022 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER M.Sc. in AUDIOLOGY DEGREE EXAMINATION - SEPTEMBER 2022  
SUBJECT: AUD5201 - AUDITORY PERCEPTION  
(2021 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Write an essay on factors affecting gap detection thresholds and temporal pattern perception. (20)
- 2) Write in detail the neuro-physiological mechanisms and models of loudness adaptation. (20)
- 3A) Write on the methods to assess the loudness adaptation. (10)
- 3B) Describe the factors affecting auditory timber perception. (10)
- 3C) Discuss the factors affecting auditory fatigue. (10)
- 3D) Write on the neuro-physiological mechanisms of auditory localization. (10)
- 4A) What is cone of confusion and minimum audible angle? (5)
- 4B) How is binaural masking level difference is measured? (5)
- 4C) What are the effects of carrier on TMTF? (5)
- 4D) Write in brief the factors affecting music perception. (5)

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# Question Paper

Exam Date & Time: 03-Sep-2022 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER M.Sc. (AUDIOLOGY) DEGREE EXAMINATION - SEPTEMBER 2022  
SUBJECT: AUD 5202 - AUDITORY DISORDER  
(2021 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Describe audiological characteristics and management of space occupying lesions of auditory nerve (20) and brainstem.
- 2) Write an essay on traumatic injuries of auditory system. (20)
- 3A) Explain assessment of middle ear functioning to identify pathologies of middle ear. (10)
- 3B) Describe speech perception difficulties of individuals with ANSD. (10)
- 3C) Discuss assessment and management of Meniere's. (10)
- 3D) Discuss assessment and management of sudden hearing loss. (10)
- 4A) Describe congenital malformations of external ear. (5)
- 4B) Write a note of complications of middle ear infection. (5)
- 4C) Cochlear implants are not useful for individuals with ANSD. Comment. (5)
- 4D) Temporary and permanent threshold shift. (5)

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# Question Paper

Exam Date & Time: 05-Sep-2022 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER M.Sc. IN AUDIOLOGY DEGREE EXAMINATION - SEPTEMBER 2022  
SUBJECT: AUD5203 - ELECTROPHYSIOLOGICAL ASSESSMENT  
(2021 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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| 1)  | Discuss exogenous potentials as an auditory test.                      | (20) |
| 2)  | Explain new trends in ABR.   | (20) |
| 3A) | Write on factors influencing MLR recording.                            | (10) |
| 3B) | Write on the clinical application of MLR.                              | (10) |
| 3C) | Use of AEPs in intraoperative monitoring.                              | (10) |
| 3D) | Discuss calibration of click stimulus through headphones presentation. | (10) |
| 4A) | Electrodes.  | (5)  |
| 4B) | Principal of ABR recording.  | (5)  |
| 4C) | N400   | (5)  |
| 4D) | Rise time and fall time of stimulus for ABR recording.                 | (5)  |

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