

Question Paper

Exam Date & Time: 27-Jun-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER M.Sc. (AUDIOLOGY) DEGREE EXAMINATION - JUNE/JULY 2022
SUBJECT: AUD5201 - AUDITORY PERCEPTION
(2021 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Write an essay on the factors affecting TMTF. (20)
- 2) Discuss ANY FOUR models of binaural hearing. (20)
- 3A) Describe in detail about the temporal coherence framework of auditory scene analysis. (10)
- 3B) Describe the factors affecting adaptation. (10)
- 3C) Write on the time-varying patterns of timber perception. (10)
- 3D) How does the temporal cue contribute to the auditory object perception? (10)
- 4A) What is HRTF? What are the applications of HRTF? (5)
- 4B) Describe in brief the gap duration discrimination. (5)
- 4C) How is auditory fatigue is measured? (5)
- 4D) What are the effects of age and cochlear hearing loss on gap detection thresholds? (5)

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Question Paper

Exam Date & Time: 29-Jun-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER M.Sc. IN AUDIOLOGY DEGREE EXAMINATION - JUNE/JULY 2022
SUBJECT: AUD5202 - AUDITORY DISORDERS
(2021 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Discuss the applications of immittance evaluation for diagnosis of middle ear pathologies. (20)
- 2) Write an essay on Meniere's disease. (20)
- 3A) Describe audiological findings of persons with ANSD and correlate with pathophysiology. (10)
- 3B) Highlight the need for hearing conservation program. Describe any one guideline. (10)
- 3C) Explain management options for space occupying lesion. (10)
- 3D) Compare and contrast traumatic injuries of inner ear. Describe management. (10)
- 4A) Write short notes on ototoxicity. (5)
- 4B) Hearing aids are beneficial for understanding speech among persons with ANSD. Comment. (5)
- 4C) Highlight the challenges for diagnosing space-occupying lesion using audiological tests. (5)
- 4D) Will you recommend cochlear implant for management of retrocochlear pathologies? Discuss. (5)

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Question Paper

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



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER M.Sc. (AUDIOLOGY) DEGREE EXAMINATION - JUNE/JULY 2022
SUBJECT: AUD5203 - ELECTROPHYSIOLOGICAL ASSESSMENT
(2021 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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| 1) | Explain acquisition and analysis techniques for stacked ABRs and ABR for chained stimuli. | (20) |
| 2) | Discuss acquisition and factors affecting ASSR. | (20) |
| 3A) | Write on scalp distribution of AEPs. | (10) |
| 3B) | Explain electrodes for recording AEPs. | (10) |
| 3C) | Elaborate on exogenous and endogenous cortical evoked potentials. | (10) |
| 3D) | Clinical application of LLR. | (10) |
| 4A) | Time-frequency analysis. | (5) |
| 4B) | Frequency calibrations. | (5) |
| 4C) | Guidelines for intraoperative monitoring. | (5) |
| 4D) | Electroneurography. | (5) |

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Question Paper

Exam Date & Time: 04-Jul-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER M. Sc. IN AUDIOLOGY DEGREE EXAMINATION - JUNE/JULY 2022
SUBJECT: AUD5204 - ADVANCES IN THE MANAGEMENT OF HEARING IMPAIRED
(2021 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Explain the electroacoustic measurement of hearing aids and variables affecting electroacoustic measurements. (20)
- 2) Explain the objective procedure for hearing aid fitting. (20)
- 3A) Explain the noise reduction algorithms for better speech perception in noise. (10)
- 3B) Write a note on troubleshooting the hearing aids. (10)
- 3C) Write a note on Tinnitus Retraining Therapy. (10)
- 3D) Explain model related to hyperacusis management. (10)
- 4A) Explain the role of communication partner in rehabilitation of individuals with hearing impairment. (5)
- 4B) Write the eligibility criteria for AVT. (5)
- 4C) How speech simplification and re-synthesis helps in speech perception through hearing aids? (5)
- 4D) How speech perception through telephone can be enhanced? (5)

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