

Question Paper

Exam Date & Time: 04-Jan-2021 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER MASTER OF SCIENCE (AUDIOLOGY) DEGREE EXAMINATION - JANUARY 2021
SUBJECT: MAU 701 - GENETICS OF HEARING AND PEDIATRIC AUDIOLOGY
(2018 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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|-----|---|------|
| 1) | Explain the need for genetic evaluation of person/family with hearing loss. Discuss the importance of Genetic counseling. | (20) |
| 2) | Write a note on assessing hearing in children with multiple disability. | (20) |
| 3A) | Discuss the issues related to hearing screening in children. | (10) |
| 3B) | Write a note on any two behavioral tests for hearing evaluation in children. | (10) |
| 3C) | Physiological tests for hearing evaluation in children. | (10) |
| 3D) | Highlight the importance of team approach in audiological evaluation in children. | (10) |
| 4A) | Factors affecting speech audiometry in children. | (5) |
| 4B) | Explain the need for screening for central auditory processing disorder in school children. | (5) |
| 4C) | What are the challenges faced by children with conductive hearing loss? | (5) |
| 4D) | Pedigree chart. | (5) |

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Question Paper

Exam Date & Time: 06-Jan-2021 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER M.Sc. in AUDIOLOGY DEGREE EXAMINATION - JANUARY 2021
SUBJECT: MAU 703 - IMPLANTABLE AUDITORY DEVICES
(2018 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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| 1) | Explain the components and working of a cochlear implant. What are the surgical risks and complications involved? | (20) |
| 2) | Describe the candidacy criteria for selecting BAHA and middle ear implants. | (20) |
| 3A) | Describe the speech production outcomes of cochlear implants. | (10) |
| 3B) | Explain the stimulation modes available in cochlear implants. | (10) |
| 3C) | Explain eCAP and eSRT. What is its correlation with behavioural thresholds? | (10) |
| 3D) | Elaborate the need for ABI. Explain the factors affecting outcomes of an ABI device. | (10) |
| 4A) | Hybrid cochlear implants. | (5) |
| 4B) | Working principle of BAHA. | (5) |
| 4C) | Types of cochlear implant electrodes. | (5) |
| 4D) | Candidacy criteria for midbrain implants. | (5) |

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Question Paper

Exam Date & Time: 08-Jan-2021 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER M.Sc. IN AUDIOLOGY DEGREE EXAMINATION - JANUARY 2021
SUBJECT: MAU 705 - SPEECH PERCEPTION
(2018 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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| 1) | Discuss on speech coding in auditory nerve and cortex. | (20) |
| 2) | Discuss speech perception in infants | (20) |
| 3A) | Perception of speech through Middle ear Implants | (10) |
| 3B) | Animal Vs Human speech perception | (10) |
| 3C) | Suprasegmental features and their role in consonant speech perception | (10) |
| 3D) | Normalization | (10) |
| 4A) | Working memory and speech perception | (5) |
| 4B) | Role of late cortical potentials in studying speech perception | (5) |
| 4C) | Define Hearing, Listening, Perception and Comprehension | (5) |
| 4D) | Influence of number of electrodes on speech perception in Cochlear Implant | (5) |

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Question Paper

Exam Date & Time: 11-Jan-2021 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER MASTER OF SCIENCE (AUDIOLOGY) DEGREE EXAMINATION - JANUARY 2021
SUBJECT: MAU 707 - AUDITORY PROCESSING DISORDERS
(2018 SCHEME)

Auditory Processing Disorders [MAU 707 - 2018]

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Write a note on role of signal enhancement systems and room acoustics in management of CAPD. (20)
- 2) Explain in detail, the different stages involved in development of any one of the Auditory for APD assessment. (20)
- 3A) Explain few methods of studying auditory processing using animal studies. (10)
- 3B) Explain speech in noise test and its variants. (10)
- 3C) Discuss any two software used in training or assessment of APD. (10)
- 3D) APD is a cognitive or auditory deficit. Critically evaluate the statement. (10)
- 4A) What are the indication for prescription of ALD in APD? (5)
- 4B) Linguistic Vs non-linguistic test of APD. (5)
- 4C) N400 abnormalities in APD. (5)
- 4D) Factors affecting speech in noise test. (5)

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