

Question Paper

Exam Date & Time: 08-Jun-2019 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER MASTER OF SCIENCE (AUDIOLOGY) DEGREE EXAMINATION - JUNE 2019
SUBJECT: MAU 602 - AUDITORY PERCEPTION
(2018 SCHEME)

Saturday, June 08, 2019 (14.00 - 17.00)

Answer ALL questions.

Draw diagrams wherever necessary.

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Discuss in detail about the models of binaural masking level difference (BMLD). (20)
- 2) What are the different ways to assess the localization acuity? Add note on the effect of hearing impairment on localization acuity. (20)
- 3A) Define concurrent and sequential streaming. Describe any two methods each to study concurrent and sequential streaming. (10)
- 3B) What is adaptation? Describe the neurophysiology of adaptation? (10)
- 3C) What are the effects of centre frequency and bandwidth of the marker/carrier on gap detection thresholds and modulation detection thresholds? (10)
- 3D) What are the factors affecting fatigue? (10)
- 4A) Explain how the knowledge music helps in quantifying the pitch? (5)
- 4B) What is temporal integration? Compare the temporal integration abilities individuals with normal hearing and cochlear hearing loss. (5)
- 4C) Describe the role of temporal coherence and harmonicity on auditory streaming. (5)
- 4D) "Duplex theory is not applicable for localization of complex sounds such as speech". State whether the statement is true or false and justify your answer. (5)

-----End-----

Question Paper

Exam Date & Time: 12-Jun-2019 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER MASTER OF SCIENCE (AUDIOLOGY) DEGREE EXAMINATION - JUNE 2019
SUBJECT: MAU 604 - AUDITORY DISORDERS
(2018 SCHEME)
Wednesday, June 12, 2019 (14.00 - 17.00)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Write an essay on pathophysiology of space occupying lesions of brainstem, audiological findings, radiological correlations and management options. (20)
- 2) Write in detail about pathophysiology, etiology, and audiological profile in persons with auditory neuropathy spectrum disorders. (20)
- 3A) Write essay on assessment of persons with auditory neuropathy spectrum disorder. (10)
- 3B) Write essay on diseases of the middle ear. (10)
- 3C) Explain pathophysiology and audiological profile of persons with ototoxicity. (10)
- 3D) Describe the audiological profile of persons with noise induced hearing loss. (10)
- 4A) Neoplasms of external and middle ear. (5)
- 4B) Sudden sensorineural hearing loss. (5)
- 4C) Management options for traumatic injuries. (5)
- 4D) Challenges in diagnosis of space occupying lesion of auditory nerve and brain stem. (5)

-----End-----

Question Paper

Exam Date & Time: 14-Jun-2019 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER MASTER OF SCIENCE (AUDIOLOGY) DEGREE EXAMINATION - JUNE 2019
SUBJECT: MAU 606 - ELECTROPHYSIOLOGICAL ASSESSMENT
(2018 SCHEME)
Friday, June 14, 2019 (14.00 - 17.00)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Briefly describe the principle of ASSR measurement. What are the merits and demerits of ASSR? (20)
- 2) What is AEPs? Classification of AEPs? What are the various factors affecting ABR? (20)
- 3A) Explain the different paradigms that can be used to evoke MMN. (10)
- 3B) Elaborate on the clinical application of MLR. (10)
- 3C) What is P50? Explain the application of it. (10)
- 3D) Explain the resource allocation and context update model of P300. (10)
- 4A) What are the guidelines for intraoperative monitoring? (5)
- 4B) Describe the effect of anaesthetic agents on electrophysiological responses of the auditory system. (5)
- 4C) Write a short note on stacked ABR. (5)
- 4D) Compare and contrast 40Hz Vs 80 Hz ASSR. (5)

-----End-----

Question Paper

Exam Date & Time: 17-Jun-2019 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER MASTER OF SCIENCE (AUDIOLOGY) DEGREE EXAMINATION - JUNE 2019
SUBJECT: MAU 608 - ADVANCES IN THE MANAGEMENT OF HEARING LOSS
(2018 SCHEME)

Monday, June 17, 2019 (14.00 - 17.00)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Enumerate the advancement in amplification devices for High frequency hearing loss, unilateral hearing loss and sudden hearing loss. (20)
- 2) Describe the technologies employed to reduce noise and enhance speech in hearing aids. (20)
- 3A) What are the different techniques incorporated to reduce feedback in hearing aids? (10)
- 3B) Explain the care and maintenance of hearing aids and assistive devices. (10)
- 3C) Describe the auditory listening and speech reading techniques and their use in the rehabilitation of older adults. (10)
- 3D) Explain the hearing aid fitting considerations in individuals with multiple disability. (10)
- 4A) Application of laser technology in earmold making. (5)
- 4B) Measurement of frequency response through EAC. (5)
- 4C) Audiological management of hyperacusis. (5)
- 4D) Assessment of tinnitus. (5)

-----End-----