

Question Paper

Exam Date & Time: 11-Feb-2020 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER MASTER OF SCIENCE (AUDIOLOGY) DEGREE EXAMINATION - FEBRUARY 2020
SUBJECT: MAU 601 - TECHNOLOGY IN AUDIOLOGY
(2018 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Write different types of signal acquisition techniques and their application in the field of Audiology. (20)
- 2) Enumerate on the utilization of tele-technology platform in the area of Audiology. (20)

3. Short notes:

- 3A) FM transmission. (10)
- 3B) Linear Prediction Coding. (10)
- 3C) Role of videoconferencing in Aural Rehabilitation. (10)
- 3D) Use of PRAAT in Audiology. (10)

4. Short answer:

- 4A) Use of Adobe audition software. (5)
- 4B) Neural Response Telemetry. (5)
- 4C) Modulation. (5)
- 4D) Digitization. (5)

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Question Paper

Exam Date & Time: 12-Feb-2020 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER MASTER OF SCIENCE (AUDIOLOGY) DEGREE EXAMINATION - FEBRUARY 2020
SUBJECT: MAU 603 - COCHLEAR PHYSIOLOGY
(2018 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Explain in detail on techniques to study hair cell and basilar membrane physiology. (20)
- 2) Write in detail on Instrumentation and techniques for recording ECOG. (20)

3. Short Notes:

- 3A) DPOAE (10)
- 3B) Organ of corti (10)
- 3C) Cochlear fluids (10)
- 3D) Protocol for recording Action potential. (10)

4. Short Answer:

- 4A) Classification of OAEs. (5)
- 4B) Cochlear non-linearity. (5)
- 4C) Ontogenetic development of cochlea. (5)
- 4D) Non Mammalian cochlea. (5)

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Question Paper

Exam Date & Time: 13-Feb-2020 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER MASTER OF SCIENCE (AUDIOLOGY) DEGREE EXAMINATION - FEBRUARY 2020
SUBJECT: MAU 607 - HEARING SCIENCES
(2018 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Adaptive psychophysical procedure is superior over classical method. Discuss. (20)
- 2) Explain the models of pitch and loudness perception. (20)
- 3A) Explain the importance of d prime and criterion point in decision making. (10)
- 3B) Psychophysical tuning curve and its application. (10)
- 3C) Explain MAP and MAF and illustrate missing 6dB. (10)
- 3D) Explain the effects of hearing loss on pitch and loudness perception. (10)

4. Short Answer:

- 4A) Explain Comodulation masking release. (5)
- 4B) Informational masking. (5)
- 4C) Dynamic range and its importance. (5)
- 4D) Absolute and relative threshold. (5)

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