

Question Paper

Exam Date & Time: 19-Apr-2021 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY DEGREE EXAMINATION -
APRIL 2021

SUBJECT: ASL1101 - COMMUNICATION SCIENCES:
PART A - SPEECH-LANGUAGE PATHOLOGY AND PART B - AUDIOLOGY
(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Define Speech, Language and Communication. Explain the components of Speech, Language and Communication in detail. Highlight the difference between speech, language and communication. (20)
- 2) Explain dB concept using the following key words: Absolute unit; Relative Unit; Power scale; Pressure scale; Reference Levels; Conversion formulae; and its Characteristics. (20)
- 3) Explain the neurological bases for the speech and language. (10)
- 4) In a tabular form, list the branches of Audiology & their respective functions; Add a note on the scope of Audiology in the Indian context. (10)
- 5A) Describe the interdisciplinary nature of speech language pathology (5)
- 5B) Explain the phonologic development between 0 to 1 year of age (5)
- 5C) Explain the characteristics of periodic and aperiodic speech sounds (5)
- 5D) MAP vs MAF (5)
- 5E) Phon and Sone (5)
- 5F) Staircase Procedure of estimating thresholds (5)

6. Write briefly on:

- 6A) Protowords (2)
- 6B) Vowel quadrilateral (2)
- 6C) Motherese (2)
- 6D) Equal Loudness Contour (2)
- 6E) Frequency (2)

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Question Paper

Exam Date & Time: 21-Apr-2021 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY DEGREE EXAMINATION -
APRIL 2021

SUBJECT: ASL1102 - ANATOMY AND PHYSIOLOGY OF SPEECH AND HEARING
(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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| 1) | "Middle ear acts as a step up transformer" Discuss. | (20) |
| 2) | Describe the origin, insertion, innervation and function of extrinsic muscles of the larynx. | (20) |
| 3) | Draw a neat diagram of the cochlear duct and label the parts. | (10) |
| 4) | Explain the resonatory system and its contribution in speech production. | (10) |
| 5A) | Embryological development of larynx | (5) |
| 5B) | Layers of the vocal folds | (5) |
| 5C) | Embryological anomalies of the ear | (5) |
| 5D) | Basilar membrane movement | (5) |
| 5E) | Bony spiral lamina | (5) |
| 5F) | Extrinsic muscles of tongue | (5) |
| 6A) | Types of muscles | (2) |
| 6B) | Esophagus | (2) |
| 6C) | Saccule | (2) |
| 6D) | Helicotrema | (2) |
| 6E) | Velopharyngeal insufficiency | (2) |

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Question Paper

Exam Date & Time: 23-Apr-2021 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY DEGREE EXAMINATION -
APRIL 2021
SUBJECT: ASL1103 - AUDIOLOGY
(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

Long answers

- 1) Build essential factors to be included in case history for adults (20)
- 2) Define Masking. Formulate and explain any TWO methods of Masking with example. (20)
- 3) Draw a neat diagram of Audiometer and explain the parts. (10)
- 4) Explain Speech Recognition Threshold (10)

5. Short essays:

- 5A) Factors affecting BC (5)
- 5B) Bing Test (5)
- 5C) Just noticeable Difference (5)
- 5D) Interaural Attenuation (5)
- 5E) PIPB Function (5)
- 5F) Daily Listening check (5)

6. Short answers:

- 6A) Audiogram (2)
- 6B) Pure Tone Average (2)
- 6C) Transducers (2)
- 6D) Sound Level Metre (2)
- 6E) Stenger Principle (2)

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