

67976



M-1524

Sl. No.

Total No. of Pages : 2

**III Semester M.Sc. (AUD) Examination, March - 2021**  
**(Scheme : ISS)**  
**AUDIOLOGY**  
**Speech Perception**

Time : 3 Hours

Max. Marks : 80

*Instruction : Answer all questions.*

1. Explain coding of different features of speech in the auditory nervous system. [16]

OR

2. Explain different methods to synthesis speech along with their pros and cons.

3. What is the role of dynamic cues in the perception of consonants? Explain. [16]

OR

4. Describe the importance of co-articulation in the perception speech.

5. What are different factors that affect dichotic listening? Explain. [16]

OR

6. Critically evaluate any two theories of dichotic listening.

*P.T.O.*

67976

M-1524

7. What is the role of short term memory in perception of consonants and vowels. [16]

OR

8. Critically evaluate the statement "Animal Speech perception is similar to that of humans".

9. Write an essay on universalities of speech perception in infants. [16]

OR

10. Describe different techniques to evaluate speech perception in infants.



31925



M-367

Sl.No. 0034

Total No. of Pages : 1

III Semester M.Sc. Degree Examination, February/March - 2021

(Scheme : CBCS)

AUDIOLOGY

Vestibular System : Assessment and Management

Time : 2 Hours

Max. Marks : 50

*Instruction : Answer all the questions.*

- I. 1) Explain the anatomy and physiology of the peripheral vestibular system. [15]
- OR
- 2) 'Individuals with vestibular disorders have problems in cognition'. Discuss. [15]
- II. 3) 'Taking a good case history can give us information about different vestibular disorders'. Justify. [15]
- OR
- 4) Explain different behavioral tests used for assessment of peripheral vestibular disorders. [15]
- III. 5) Explain different vestibular test findings and its histopathological correlates of BPPV. [10]
- OR
- 6) Explain different vestibular test findings and its histopathological correlates in individuals with auditory neuropathy spectrum disorders. [10]
- IV. 7) Explain different rehabilitation options available for children with disequilibrium. [10]
- OR
- 8) Explain different non-medical management options available to rehabilitate individuals with vertigo. [10]





31924



M-366

Sl.No. 0050

Total No. of Pages : 2

**III Semester M.Sc. Degree Examination, February/March - 2021**

**(Scheme : CBCS)**

**AUDIOLOGY**

**Seminars in Rehabilitative Audiology**

**Time : 2 Hours**

**Max. Marks : 50**

**Instruction : Answer all questions.**

- I.** 1) Elaborate on the techniques for improving speech understanding through hearing aids while using (a) Telephones / mobile phones. (b) Television. [10]

OR

- 2) Elaborate on the electroacoustic measurements when telecoil of hearing aid is used as input. [10]

- II.** 3) Discuss the indications and techniques for various hearing assistance technologies. [15]

OR

- 4) Mention any three complaints that a new hearing aid user faces. How do you optimize his/her hearing aid program to resolve the complaints. [15]

- III.** 5) Discuss the special considerations while fitting hearing aids for children. [15]

OR

- 6) What will be your management approach for the following? [15]
- Unilateral profound hearing loss.
  - Auditory neuropathy spectrum disorder
  - Sudden sensorineural hearing loss.

**P.T.O.**

**31924**

**M-366**

- IV. 7) Write on the role of auditory plasticity and family involvement in rehabilitation of children with multiple challenges. [10]**

**OR**

- 8) Write on the importance of tinnity markers and counselling in the management of tinnitus. [10]**



31923



M-365

Sl.No. 0043

Total No. of Pages : 2

**III Semester M.Sc. Degree (AUD) Examination,  
February/March - 2021  
(Scheme : CBCS)  
AUDIOLOGY  
Seminars in Assessment of Hearing Impairment**

**Time : 2 Hours**

**Max. Marks : 50**

**Instruction :** *Answer all the questions.*

- I.** 1) a) Justify the role of immittance and OAE in the assessment of conductive hearing loss. [5]  
b) List and explain the syndromic conditions associated with conductive hearing loss. [5]

OR

- 2) Discuss the pathology and audiological correlates on long-standing conductive hearing loss. [10]

- II.** 3) a) Discuss the pathophysiology and audiological characteristics in individuals with (i) Sudden sensori neural hearing loss (ii) auditory nerve tumour. [10]  
b) What auditory characteristics differentiate between auditory neuropathy and acoustic neuroma. [5]

OR

- 4) Discuss the audiological and non-audiological tests results in a client who has tinnitus, hearing loss, vomiting with giddiness. [15]
- III.** 5) a) Justify that audiological test procedure varies in a child with Deaf-blindness with that of a child with Autism. [5]  
b) Elaborate recent studies on tests and interpretation of findings of tinnitus evaluation. [10]

**P.T.O.**

OR

- 6) a) Describe the factors that need to be considered before and while assessing audiological test procedure for a child with deaf-blindness and Autism. [10]
- b) Explain vestibular tests procedures in children. [5]
- IV. 7) a) Justify the need for non-audiological testing in the diagnosis of auditory disorder. [5]
- b) Elaborate the principles of MRI and CT Scan. [5]

OR

- 8) a) Discuss the audiological profiling in patients with genetic hearing loss. [5]
- b) Write notes on genetic counselling. [5]





31922



M-364

Sl. No. 0044

Total No. of Pages : 1

III Semester M.Sc. Degree Examination, February/March - 2021

(Scheme : CBCS)

AUDIOLOGY

Speech Perception

Time : 2 Hours

Max. Marks : 50

*Instruction : Answer all questions.*

1. Describe the various methods of normalization of Vowels. [15]

OR

2. "Hearing Speech is Seeing tongue" Critically evaluate the statement. [15]

3. "Formant Frequencies are important cue for the perception of vowels". Support the statement with the evidence from literature. [10]

OR

4. Evaluate the importance of major and minor cues in the perception of stop consonants. [10]

5. List the methods for studying speech perception. Describe any two methods in detail. [15]

OR

6. Discuss the role of Co-articulation in the perception of speech. [15]

7. Discuss the theories of short-term memory in relation to perception of speech. [10]

OR

8. Describe the factors affecting perception of dichotic speech. [10]





31921



M-363

Sl. No. 0049

Total No. of Pages : 2

III Semester M.Sc. Degree Examination, February/March - 2021

(Scheme : CBCS)

**AUDIOLOGY**

**Implantable Devices for Individuals with HI**

Time : 2 Hours

Max. Marks : 50

*Instruction : Answer all questions considering the choice provided.*

- I 1) a) Describe the candidacy criteria for bone conduction implantable devices. [5]  
b) Explain the components of bone conduction implantable device with a neat illustration. [5]

OR

- 2) What are the various aspects to discuss in a counselling session before using a total / partial implantable hearing device. [10]

- II 3) Explain the candidacy, components and working of bilateral, hybrid and bimodal cochlear implants. [15]

OR

- 4) Explain the pre-operative evaluation protocol for children and adults with the importance of each test findings in cochlear implantation. [15]

- III 5) Explain the mapping procedure using various behavioural and objective measures. [15]

OR

- 6) What are the post operative counselling considerations in cochlear implants? [15]

*P.T.O.*

**31921**

**M-363**

- IV 7) Explain the candidacy criteria for Auditory Brainstem implants and Auditory Midbrain implants in detail. **[10]**

OR

- 8) Write down the various components of ABI and AMI with its function. Support it with a neat illustration with markings. **[10]**

