Reg. No. | | | | | | | | | | |

AH301

Credit Based III Semester M.Sc. (Audiology) Degree Examination,

February 2024

(Semester scheme) (2020-22 Batch Onwards)

Auditory Processing Disorders

**Time: 3 Hours** **Max. Marks: 70**

**Unit I**

1. Describe the signs and symptoms of various disorders that leads to auditory processing disorder (14)

OR

2. a. Explain the processes that are listed under the purview of auditory processing disorders (8)

   b. What are sub types/categories of auditory processing disorder according to Buffalo model? Describe the problems under each sub-type briefly. (6)

**Unit II**

3. Describe the utility of psychoacoustic tests in the assessment of auditory processing disorder (14)

OR

4. a. Describe the findings of tests of binaural integration in various lesions (10)

   b. Discuss the need for screening in the evaluation of auditory processing disorder? (4)

**Unit III**

5. a. What are findings of auditory brainstem response in individuals with APD? (4)

   b. Explain the different subject related factors affecting the assessment of auditory processing disorder (10)

OR

6. a. Describe the relationship between behavioural and electrophysiological measures of auditory processing. (7)

   b. Explain the findings of endogenous potentials in auditory processing disorder (7)

## Unit IV

7. a. What is the role of cognition in the management of APD. (4)

   b. Room acoustics is important for the management of APD. Explain. (4)

   c. Discuss the differences in the management of children and adults with APD. (6)

OR

8. With literature evidence, explain the benefits of meta-linguistic and meta-cognitive approaches in the management of APD. (14)

## Unit V

9. a. Describe the open source softwares available for developing APD tests. (8)

   b. Explain the differential diagnosis of APD and childhood language disorders. (6)

OR

10. a. Describe the open source softwares available for developing intervention modules for APD. (8)

    b. Explain implications of radiological measures in the assessment of APD. (6)

Reg. No. | | | | | | | | | | |

AH302

Credit Based III Semester M.Sc. (Audiology) Degree Examination,

February 2024

(Semester scheme) (2020-22 Batch Onwards)

Speech Perception

**Time: 3 Hours** **Max. Marks: 70**

**Unit I**

1. In your opinion which theory is best to explain speech perception? Describe and critically evaluate the theory. (14)

OR

2. a. Describe speech coding in auditory nerve. (6)
   b. Write a note on normalization of vowels. (8)

**Unit II**

3. Consonant perception is affected in individuals with hearing impairment. Justify (14)

OR

4. a. Discuss the effect of number of channels in a cochlear implant on speech perception. (8)
   b. Compare speech perception through auditory brainstem implant and cochlear implant. (4)

**Unit III**

5. Write an essay on major and minor cues for perception of suprasegmental features of speech. (14)

OR

6. a. Explain the effect of coarticulation on speech perception (8)
   b. Individuals with hearing impairment use different acoustic cue for perception of suprasegmental features of speech. Comment (6)

**Unit IV**

7. a. Explain the role of memory in speech perception. (8)

   b. Explain music perception through amplification devices. (6)

OR

8. Explain factors affecting dichotic perception. (14)

**Unit V**

9. Critically evaluate theories of infant speech perception. (14)

OR

10. a. Describe speech perception in animals (8)

    b. Explain role of cognition in speech perception (6)

Reg. No. | | | | | | | | | | |

AS303

Credit Based III Semester M.Sc. (Audiology) Degree Examination,

February 2024

(Semester scheme) (2020-22 Batch Onwards)

Vestibular System and its Disorders

**Time: 3 Hours** **Max. Marks: 70**

**Unit I**

1. Explain the Central vestibular pathway (14)

OR

2. a. Describe the structure and function of the semicircular canals(8)
   b. Describe the structure and function of the utricle and sacule(6)

**Unit II**

3. Write a note on Screening for vestibular disorders (14)

OR

4. Write a note on
   a. Sclera Coil search test (7)
   b. Vestibular autorotation tests (7)

**Unit III**

5. Write a note on
   a. BPPV (7)
   b. Vestibular schwannomas(7)

OR

6. Explain the Vestibular disorders in children (14)

**Unit IV**

7. Explain how can Audio Vestibular Test Battery results be used to assess the functional level of vestibular impairment and predict potential balance limitations in daily activities(14)

OR

8. a. Explain Audio Vestibular Test Battery for profiling Superior semi circular canal dehiscence (7)

   b. Explain the assessment of Quality of life in persons with vestibular disorders(7)

**Unit V**

9. a. Explain the surgical Management for vestibular disorders (7)

   b. Write a note on Vestibular implants(7)

OR

10. Explainadaptation exercises for vestibular disorder management (14)

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