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

SLPH 201

II Semester M.Sc. Speech Language Pathology Degree Examination, August 2023
(Semester Scheme) (2020-22 Batch Onwards)
LANGUAGE DISORDERS IN CHILDREN

Time : 3 Hours Max. Marks : 70

Unit – 1

1. Critically evaluate between biological maturation theory of language acquisition and information processing theory. Also mention the clinical implications of each in the assessment of child language disorders. **14**

OR

2. a) Enumerate the various types of bilingualism. **7**

   b) What might be the factors affecting language acquisition in a 5-year multilingual child ? **7**

Unit – 2

3. a) Explain the importance of high risk register in predicting child language disorders. **7**

   b) Mention the complications of prenatal exposure to alcohol and other drugs. What conditions can they result in ? **7**

OR

4. a) Enumerate the clinical features of all the syndromic conditions resulting in child language disorder. **7**

   b) How is the differential diagnosis for specific language impairment and spoken language impairment ? **7**

Unit – 3

5. a) Differential diagnose the various types of ASD based on DSM-5 criteria. **7**

   b) Explain any 2 screening tools used when ASD is suspected. **7**

OR

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SLPH 201

II Semester M.Sc. Speech Language Pathology Degree Examination, August 2023
(Semester Scheme) (2020-22 Batch Onwards)
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Unit – 3

5. a) Differential diagnose the various types of ASD based on DSM-5 criteria. **7**

   b) Explain any 2 screening tools used when ASD is suspected. **7**

OR

6. Explain the importance and efficiency of following treatment strategies :
   a) Applied behavioral analysis. **7**
   b) Hanen approach. **7**

Unit – 4

7. a) What are the classification of ADHD according to DSM-V criteria ? **7**
   b) Explain differential diagnosis between features of a child with ADHD and an adult with ADHD. **7**

OR

8. a) Mention the treatment strategies to improve academic issues of children with ADHD. **7**
   b) What are possible modifications required for a child with ADHD in the school ? **7**

Unit – 5

9. What are the various comorbid conditions evidenced in children with child language disorders ? Enumerate the importance of assessing these conditions and explain how are these conditions assessed. **14**

OR

10. Explain in detail any two evidence based practices in the treatment of children with specific language impairment. **14**

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SLPH 202

II Semester M.Sc. Speech Language Pathology Degree Examination, August 2023
(Semester Scheme) (2020 – 22 Batch Onwards)
VOICE SCIENCE AND DISORDERS

Time : 3 Hours Max. Marks : 70

UNIT – 1

1. Explain the acoustic impedance and effect of vocal tract reactance on self-sustained vocal fold oscillation. **14**

OR

2. Explain the breathing mechanism as an interactive sound-generating system with respect to different oscillators. **10**

3. Enumerate the differences between Speech breathing and Life breathing. **4**

UNIT – 2

4. Discuss the detailed protocol for aerodynamic assessment of Voice in professional voice users. **14**

OR

5. Enumerate the differences in diagnosing and treating Spasmodic dysphonia and Paradoxical Vocal cord Dysfunction. **14**

UNIT – 3

6. Plan and justify an evidence-based voice therapy technique for a 35-year old female, with a complaint of breathy, weak voice post thyroidectomy. **14**

OR

7. Write a detailed note on :
   a) Symptomatic voice therapy **7**
   b) Voice restoration in Laryngectomees. **7**

P.T.O.

UNIT – 4

8. Elaborate on the importance of motor learning, awareness training, and vocal warm-up exercises in habilitating/rehabilitating a singer. **14**

OR

9. Write a review on :

   a) Classification of professional voice users and associated voice disorders. **7**

   b) Assessment and management of vocal fatigue in singers. **7**

UNIT – 5

10. What are the requirements for setting up a Voice clinic in a developing city ? **14**

OR

11. Describe your role as a voice therapist to increase the patient's compliance and concordance to voice management. **14**

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SLPH 203

II Semester M.Sc. Speech Language Pathology Degree Examination, August 2023
(Semester Scheme) (2020 – 22 Batch Onwards)
ADVANCES IN SPEECH SOUND DISORDERS

Time : 3 Hours Max. Marks : 70

UNIT – 1

1. Critically evaluate the linear theories of phonological development. Highlight on how these theories differ from non-linear theories. **14**

OR

2. Define Co-articulation and elaborate on types of Co-articulation. Discuss any 3 models of Co-articulation. **14**

UNIT – 2

3. a) Write a note on formal assessment procedures used for children with phonological disorders. **10**

   b) Elaborate on test materials used in Indian context for phonological assessment. **4**

OR

4. Elaborate on comprehensive phonological assessment procedures highlighting independent and relational analyses. **14**

UNIT – 3

5. Discuss motor based approached used for management of Speech Sound Disorders. **14**

OR

6. Elaborate on tele-health practices used for intervention of Speech Sound disorders. Support your answer with current evidence-based practices. **14**

P.T.O.

UNIT – 4

7. a) Describe the parameters affecting velopharyngeal closure highlighting the muscles responsible for the same. **4**

   b) Describe the assessment protocols used to assess velopharyngeal closure in children with Cleft Lip and Palate. **10**

OR

8. Elaborate on various aspects of language development among children with Cleft Lip and Palate. **14**

UNIT – 5

9. a) Elaborate on Speech and Language therapy for persons with velopharyngeal dysfunction. **7**

   b) Discuss current evidence based practices involved in assessment and management of CLP. **7**

OR

10. Elaborate on surgical, orthodontic and prosthodontic management in Cleft Lip and Palate. **14**

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SLPS 204

II Semester M.Sc. Speech Language Pathology Degree Examination, August 2023
(Semester Scheme) (2020-22 Batch Onwards)
DYSPHAGIA

Time : 3 Hours Max. Marks : 70

UNIT – 1

1. Explain the anatomy and physiology of swallowing in an adult. **14**

OR

2. Using recent research evidences explain the age related changes in eating and swallowing in the elderly individuals. **14**

UNIT – 2

3. Compare and contrast FFES and manometry. **14**

OR

4. Write short note on the use of self-report questionnaires and quality of life assessment for dysphagia. **14**

UNIT – 3

5. Explain the behavioral management approaches you would recommend for a 44 year old individual with mandibulectomy ? Support your answer with research evidence. **14**

OR

6. a) Types of tube feeding. **7**

   b) Trismus assessment and management. **7**

P.T.O.

UNIT – 4

7. Elaborate on the clinical manifestations of feeding and swallowing difficulties in children. **14**

OR

8. Comment on the direct and indirect strategies to facilitate safe swallow in children with cerebral palsy. **14**

UNIT – 5

9. Write a detailed note on ethical and cultural considerations in dysphagia management with specific reference to Indian context. **14**

OR

10. Explain the etiology and management of esophageal dysphagia. **14**

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AH 201

II Semester M.Sc. Audiology Degree Examination, August 2023
(Semester Scheme) (2021-22 Batch Onwards)
NEUROPHYSIOLOGY OF HEARING

Time : 3 Hours Max. Marks : 70

Unit – I

1. Describe the anatomy of cochlear nucleus along with its cell types. **14**

OR

2. a) Write a note on anatomy of superior olivary complex. **8**
   b) Write a note on anatomy of auditory nerve. **6**

Unit – II

3. a) Write a note on generation of action potential in auditory nerve. **8**
   b) Write a note on frequency coding in the auditory nerve. **6**

OR

4. Describe the neurotransmitter and neuromodulators of the auditory nerve. **14**

Unit – III

5. Describe the tonotopic organization of the auditory brainstem. **14**

OR

6. a) What is localization ? Explain the physiology of localization in the sub cortical structures. **8**
   b) Write a note on coding of complex acoustic signal in the superior olivary complex. **6**

P.T.O.

Unit – IV

7. Describe the anatomy and topographic organization of the auditory cortex. **14**

OR

8. a) Write a note on plasticity of auditory cortex. **6**

   b) Write a note on association of auditory cortex with other structures. **8**

Unit – V

9. Describe the anatomy of efferent auditory pathway with a neat diagram. **14**

OR

10. a) Write a note on protective function of efferent auditory system. **6**

    b) Compare and contrast medical and lateral olivocochlear bundle. **8**

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AH 202

II Semester M.Sc. Audiology Degree Examination, August 2023
(Semester Scheme) (2020 – 22 Batch Onwards)
ELECTROPHYSIOLOGICAL ASSESSMENT

Time : 3 Hours Max. Marks : 70

UNIT – I

1. Explain the Neuro anatomy and neurophysiology related to AEPs. **14**

OR

2. a) Write a note on types of electrodes and its advantages and disadvantages. **8**

   b) Write a note on dipole orientation and scalp distribution of AEPs. **6**

UNIT – II

3. a) Describe recording of CHAMPN and discuss its clinical applications. **8**

   b) Discuss the applications of Speech Evoked ABR. **6**

OR

4. Explain the principle and procedure for recording stacked ABR. **14**

UNIT – III

5. a) Explain the protocol for recording ASSR. **4**

   b) Write a note on various factors influencing ASSR response. **6**

   c) Write a note on phase locking in ASSR. **4**

OR

6. a) Explain the factors influencing auditory middle latency response (MLR). **10**

   b) Discuss the non-audiological applications of MLR. **4**

P.T.O.

UNIT – IV

7. a) Write a note on acoustic change in complex. **4**

   b) Write a note on N400. **4**

   c) Explain the audiological factors influencing MMN response. **6**

OR

8. Compare and contrast P300 and MMN. Highlight the applications of P300 and MMN. **14**

UNIT – V

9. a) Write a note on the various auditory evoked potentials used during intra operative monitoring. **8**

   b) Write a short note on clinical applications of electro neurenography. **6**

OR

10. a) Explain the guidelines for intra operative monitoring. **8**

    b) Explain the effect of anesthetic agent on electrophysiological responses of the auditory system. **6**

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AH 203

II Semester M.Sc. Audiology Degree Examination, August 2023
(Semester Scheme) (2020 – 22 Batch Onwards)
AUDITORY PERCEPTION

Time : 3 Hours Max. Marks : 70

UNIT – I

1. Write an essay on two models of temporal processing. **14**

OR

2. a) How does the temporal cues influence object perception ? **8**
   b) Explain the temporal modulation transfer function in hearing impaired individuals. **6**

UNIT – II

3. What are factors which influence auditory object perception ? **14**

OR

4. What is auditory pattern perception ? Define the cues that helps in pattern perception. **14**

UNIT – III

5. Describe two different methods to study adaptation. **14**

OR

6. Outline the variables of adaptation and mention factors affects adaptation. **14**

P.T.O.

UNIT – IV

7. Write an essay on the factors affecting localization and lateralization. **14**

OR

8. How are time-intensity trading and envelop cues used in perception of complex tones ? **14**

UNIT – V

9. Enumerate the advantages of Binaural Hearing. **14**

OR

10. Delineate the importance of binaural hearing with suitable example and experimental evidence. **14**

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AS 204

II Semester M.Sc. Audiology Degree Examination, August 2023
(Semester Scheme) (2020 – 22 Batch Onwards)
GENETICS OF HEARING AND PEDIATRIC AUDIOLOGY

Time : 3 Hours Max. Marks : 70

UNIT – I

1. Elaborate on the different patterns of inheritance in humans. **14**

OR

2. What is Genetics ? Write a note on chromosomes, DNA and genes with a diagram. **14**

UNIT – II

3. Explain the genetic evaluation in persons with hearing loss. **14**

OR

4. Explain the genotypes and phenotypes of syndromic hearing loss. **14**

UNIT – III

5. Elaborate on the national and international protocols for hearing screening in neonates and infants. **14**

OR

6. Elaborate on screening for hearing loss in school children. **14**

UNIT – IV

7. Explain in detail VRA and BOA. **14**

OR

8. Explain the causes for acquired hearing loss in children. **14**

UNIT – V

9. How will you integrate the results of behavioral and electrophysiological assessment while diagnosing hearing loss in children. **14**

OR

10. Explain the counselling and management options for children with unilateral hearing loss. **14**
