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

AH 301

III Semester M.Sc. (Audiology) Degree Examination, March/April 2023
(Semester Scheme) (2020 – 22 Batch Onwards)
AUDITORY PROCESSING DISORDERS

Time : 3 Hours Max. Marks : 70

UNIT – I

1. Explain the methods of studying auditory processing using animal studies. **14**

OR

2. Define APD and its various terminologies. Explain the neurobiological and neurochemical mechanism underlying it. **14**

UNIT – II

3. Describe the dichotic tests in the assessment of APDs (linguistic and non-linguistic). **14**

OR

4. APD is a cognitive or auditory deficit. Critically evaluate the statement. **14**

UNIT – III

5. Explain the clinical applications of electrophysiological measures in diagnosis of APDs. **14**

OR

6. Describe the factors influencing assessment of APDs in terms of behavioural and electrophysiological testing. **14**

P.T.O.

UNIT – IV

7. Describe the meta-cognitive and meta-linguistic approaches in the management of APDs. **14**

OR

8. Write a note on role of signal enhancement systems and room acoustics in the management of APD. **14**

UNIT – V

9. Describe the development of APD test material (linguistic and non-linguistic). **14**

OR

10. Discuss any two software used in training or assessment of APDs. **14**

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

AH 302

III Semester M.Sc. (Audiology) Degree Examination, March/April 2023
(Semester Scheme) (2020 – 22 Batch Onwards)
SPEECH PERCEPTION

Time : 3 Hours Max. Marks : 70

UNIT – I

1. Compare and contrast one active and passive theory of speech perception. **14**

OR

2. Write an essay on normalization of vowels during speech perception. **14**

UNIT – II

3. Vowel perception is not affected in individuals with hearing impairment. Critically evaluate the statement. **14**

OR

4. Describe speech perception through hearing aids. **14**

UNIT – III

5. Write an essay on perception of suprasegmental features of speech in normally hearing individuals. **14**

OR

6. Describe effects of co-articulation on speech perception. **14**

P.T.O.

UNIT – IV

7. Explain the factors influencing dichotic listening. **14**

OR

8. Write an essay on music perception through amplification devices. **14**

UNIT – V

9. Compare and contrast animal and infant speech perception. **14**

OR

10. Write an essay on methods to study human speech perception. **14**

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

AS 303

III Semester M.Sc. (Audiology) Degree Examination, March/April 2023
(Semester Scheme) (2020 – 22 Batch Onwards)
VESTIBULAR SYSTEM AND ITS DISORDERS

Time : 3 Hours Max. Marks : 70

UNIT – I

1. Describe the anatomy and physiology of semicircular canals. Write about the vestibular reflexes originating from semicircular canals. **14**

OR

2. Describe the anatomy and physiology of central vestibular system. **14**

UNIT – II

3. Describe the principles and techniques of electronystagmography. What are the advantages and disadvantages of electronystagmography over videonystagmography ? **14**

OR

4. What are the different tests used for assessing peripheral vestibular system ? Describe their principles and procedures. **14**

UNIT – III

5. Write an essay on common vestibular disorders in children and their pathophysiology. **14**

OR

6. Explain the pathophysiology of central vestibular disorders. **14**

P.T.O.

UNIT – IV

7. Write a note on the importance of audio vestibular test battery approach for differentiating different disorders with appropriate examples. **14**

OR

8. Describe the audio vestibular characteristics of vestibular schwannoma. **14**

UNIT – V

9. Write an essay on principles, methods and outcome of vestibular rehabilitation. **14**

OR

10. Explain medical and surgical management of different vestibular disorders. **14**

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

YSE 507

Third Semester M.Sc. Degree Examination, March/April 2023
YOGIC SCIENCE (Open Elective)
Scientific Approach of Yoga

Time : 3 Hours Max. Marks : 70

I. Answer the following questions in **one** word/**one** sentence **each**. **(1×10=10)**

1) Name the sensory organ corresponding to *tejasmahabhuta*.
2) Name the *tanmatra* corresponding to *prthvimahabhuta*.
3) Write the constituents of *manomayakosa*.
4) Write anyone quality of *kaphadosa*.
5) Define *brahmi muhurta*.
6) Who is teacher for an intelligent ?
7) Name a physical sin.
8) How many seasons are there ?
9) Name a relaxation technique of yoga.
10) Which collyrium is good for the eyes ?

II. Write short notes on **any six** of the following questions. **(5×6=30)**

1) *Vatadosa*.
2) Cleaning of the teeth and betel chewing.
3) *Varsartucarya*.
4) *Pancakosa* theory.
5) Curative aspects of *asanas*.

P.T.O.

6) Effect of pranayama on respiratory system.

7) Effect of mudra and meditation on nervous system.

8) *Hemantartucarya.*

III. Explain **any three** of the following questions. **(10×3=30)**

1) Effect of yogic practices on digestive system.

2) *Sadvrtta* – good conduct.

3) Basic principles of yoga therapy.

4) Preventive, promotive and curative aspects of *kriyas.*

5) Effect of yogic practices on circulatory system.

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

SLPH 301

III Semester M.Sc. Speech Language Pathology Degree Examination, March/April 2023
(Semester Scheme) (2020 – 22 Batch Onwards)
DISORDERS OF FLUENCY

Time : 3 Hours Max. Marks : 70

UNIT – 1

1. Describe cortical activation patterns in stuttering. Discuss the neurophysiology of stuttering. **(14×1=14)**

OR

2. Discuss the recent advances in fluency and its disorders. **(14×1=14)**

UNIT – 2

3. a) Write a short note on stuttering among people with multiple disability. **(4×1=4)**

   b) Differentiate between cluttering and developmental stuttering. **(10×1=10)**

OR

4. Define neurogenic stuttering and its characteristics. Differentiate it from psychogenic stuttering. **(14×1=14)**

UNIT – 3

5. Describe various functional radiological studies of stuttering. Comment on differentially diagnosing various fluency disorders using recent assessment tools. **(14×1=14)**

OR

6. Describe the various assessment procedures used for stuttering based on ICF Framework. **(14×1=14)**

P.T.O.

UNIT – 4

7. a) Elaborate on intervention of a 30-year-old with developmental stuttering. **(10×1=10)**

   b) Write short note on apps based innovative modes for intervention of fluency disorders. **(4×1=4)**

OR

8. a) Devise a detailed intervention plan focussing on behavioural and work-place management of 32-year-old female with developmental stuttering. **(10×1=10)**

   b) Write a short note on counselling and its benefits for people with stuttering. **(4×1=4)**

UNIT – 5

9. a) What are evidence based practices ? Elaborate on its role in management of fluency disorders. **(10×1=10)**

   b) Write a short note on cultural sensitivity among individuals with stuttering. **(4×1=4)**

OR

10. What is relapse and why is it seen among individuals with stuttering ? Elaborate on outcome measure in fluency disorders. **(14×1=14)**

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

SLPH 302

III Semester M.Sc. Speech Language Pathology Degree Examination, March/April 2023
(Semester Scheme) (2020-22 Batch Onwards)
NEUROGENIC SPEECH DISORDERS

Time : 3 Hours Max. Marks : 70

UNIT – I

1. Describe Apraxia based on Gracco's model. Discuss its relevance to other speech disorders. **(14×1=14)**

OR

2. Discuss the role of Cerebellum in speech motor control. **(14×1=14)**

UNIT – II

3. Describe the acoustic, aerodynamic and perceptual analysis of dysarthria focussing on recent trends. **(14×1=14)**

OR

4. Outline a detailed clinical assessment protocol for evaluation of dysarthria. **(14×1=14)**

UNIT – III

5. Plan an intervention program for a 30-year old patient with dysarthria who manifests following challenges :
   a) Difficulty maintaining a good posture
   b) Muscle weakness
   c) Decreased muscle tone. **(14×1=14)**

OR

6. Elaborate on your favourite facilitatory approach in the management of developmental dysarthria. Support your answers with relevant studies. **(14×1=14)**

P.T.O.

UNIT – IV

7. Devise a detailed assessment protocol for a 50-year-old male with apraxia of speech. **(14×1=14)**

OR

8. Devise a detailed intervention plan for a 32-year-old female with apraxia of speech. **(14×1=14)**

UNIT – V

9. a) What is apraxia of speech ? Elaborate on its types and loci in brain region causing it. **(4×1=4)**

   b) Elaborate on intervention of a child with apraxia of speech. **(10×1=10)**

OR

10. Devise an assessment protocol focussing on acoustic and aerodynamic assessment of children with apraxia. **(14×1=14)**

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

SLPS 303

III Semester M.Sc. Speech Language Pathology Degree Examination, March/April 2023
(Semester Scheme) (2020-22 Batch Onwards)
AUGMENTATIVE AND ALTERNATIVE COMMUNICATION

Time : 3 Hours Max. Marks : 70

Unit – 1

1. Who are the appropriate team members to design AAC for a patient with non-fluent aphasia ? Describe their role and importance in the team. **(14×1=14)**

OR

2. Write short notes on **any two** of the following : **(7×2=14)**
   i) Low Tech AAC
   ii) High Tech AAC
   iii) Makaton

Unit – 2

3. a) Describe any one model of assessment that is suitable for a 11-year-old child with diplegic spastic cerebral palsy. **(10×1=10)**
   b) How will you choose the appropriate special switch for this child ? **(4×1=4)**

OR

4. Write short notes on the following : **(14×1=14)**
   i) Any one model of assessment of AAC
   ii) Standard tests of AAC.

Unit – 3

5. a) Explain factors affecting choice of vocabulary. **(7×1=7)**
   b) Explain the strategies for selection of symbols in an AAC. **(7×1=7)**

OR

6. Write short notes on **any two** of the following : **(7×2=14)**
   i) Decision making with respect to aided v/s unaided AAC.
   ii) Watch, wait and react
   iii) AAC for children with autism.

P.T.O.

Unit – 4

7. A 11-year-old boy has been diagnosed with spastic quadriplegia cerebral palsy. He has been attending speech-language therapy and physiotherapy intermittently at a rehabilitation center since 4 years and is not intellectually challenged. What is your choice of further intervention ? Explain with appropriate illustrations. **(14×1=14)**

OR

8. Explain your choice of intervention strategies for a 15-year-old girl with acquired progressive ataxia with severe intelligibility issues. Explain with appropriate illustrations. **(14×1=14)**

Unit – 5

9. Write short notes on : **(7×2=14)**

   i) Current status of AAC in India Vs Globally.

   ii) How do you propose to improve the above scenario in India ?

OR

10. Write short notes on : **(7×2=14)**

   i) Implementation of AAC in ICU Vs Hospital Wards.

   ii) Implementation of AAC in Home Vs Social situations.

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

YSE 507

Third Semester M.Sc. Degree Examination, March/April 2023
YOGIC SCIENCE (Open Elective)
Scientific Approach of Yoga

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3) *Varsartucarya*.
4) *Pancakosa* theory.
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P.T.O.

6) Effect of pranayama on respiratory system.

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2) *Sadvrtta* – good conduct.

3) Basic principles of yoga therapy.

4) Preventive, promotive and curative aspects of *kriyas.*

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