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Sl.No. 0019

Total No. of Pages : 1

**III Semester M.Sc. (SLP) Degree Examination,
February/March - 2021
(Scheme : CBCS)**

SPEECH-LANGUAGE PATHOLOGY

Event Related to Potentials in Speech and Language

Time : 2 Hours

Max. Marks : 50

Instruction: Answer all the questions.

- I. 1) a) Explain various methods of signal averaging in ERP. [10]
b) Describe the importance of ground electrode and reference electrode in ERP Measurement. [5]

OR

- 2) a) What are the different methods to classification of ERP. [5]
b) Differentiate exogenous VS endogenous auditory evoked potentials. [10]

- II. 3) Describe various stimulus and subject factors affecting interpretation of LLR. [10]

OR

- 4) Highlight role of LLR in the field of speech Language management. [10]

- III. 5) Describe and differentiate N_{400} and P_{600} . [15]

OR

- 6) a) Explain the stimulus paradigm, recording procedure and clinical application of P_{300} . [10]

- b) Explain the importances of filters in ERP. [5]

- IV. 7) Critically evaluate the "Source localization through ERP". [10]

OR

- 8) Explain the application of endogenous potentials in language disorders. [10]



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III Semester M.Sc. Degree (SLP) Examination, Feb./March - 2021

(Scheme : CBCS)

SPEECH LANGUAGE PATHOLOGY

Sign Language

Time : 2 Hours

Max. Marks : 50

Answer the following questions:

- I. 1) Compare and contrast between gestures, manual languages, sign based augmentative systems and sign language. [10]
OR
2) Explain in detail any two approaches used in the deaf education. [10]
- II. 3) Write a short note on phonological structure of American Sign Language. British Sign Language and Indian Sign Language. [10]
OR
4) Describe in detail the dialectal differences in phonology of Indian Sign Languages [10]
- III. 5) Write a short note on the following syntactic aspects in sign language:[15]
a) Pluralization
b) Verb classes in ASL
c) Pronouns
OR
6) a) Explain in detail the signed expression of tenses and questions in ASL [10]
b) Write a short note on dialectal differences in syntax of sign languages [5]
- IV. 7) Write a short note on the following: [15]
a) Categorical perception in ASL
b) Neural representation in sign language users
c) Sign language comprehension
OR
8) a) Explain the language issues in deaf aphasics and CODA [10]
b) Discuss in detail the relevance of gestures in symbolic learning [5]



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Total No. of Pages : 2

III Semester M.Sc. (SLP) Degree Examination, February/March - 2021
(Scheme : CBCS)

SPEECH-LANGUAGE PATHOLOGY**Dysphagia**

Time : 2 Hours

Max. Marks : 50

Instruction: Answer all questions.

I. 1) Explain the significance of parallel processing of swallowing compared to the traditional phases of swallow. [10]

OR

2) Older adults who suffer from stroke or other neurological disorders may harbour pre-existing swallow impairments. Discuss. [10]

II. 3) Describe the impact of the damage to cranial nerves V and VII on swallow. [10]

OR

4) Describe the causes that lead to esophageal dysphagia. [10]

III. 5) a) Discuss the need for FEES and/or VFSS in a 35 year old female who is under weight and is complaining of food 'sticking' in her throat when she swallows. [10]

b) Explain the relevance of SWAL-QoL in clinical practice. [5]

OR

6) a) A test battery approach in a multidisciplinary environment offers the best diagnostic accuracy and will provide the most useful information regarding prognosis and intervention. Justify. [10]

b) Write a note on the factors that influence bedside assessment of swallowing disorders. [5]

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- IV. 7) a) Discuss how the principles of neuromuscular rehabilitation may be applied to facilitatory swallow exercises. [10]
b) Write a note on the strategies to facilitate nutritive sucking in premature infants. [5]

OR

- 8) a) Justify the need for the involvement of an SLP in the management of patients with head and neck cancer before, during and after medical treatment. [10]
b) Dementia presents unique problems to the SLP who is treating dysphagia. Discuss. [5]



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III Semester II Year M.Sc. Degree (SLP) Examination,

February/March - 2021

(Scheme : CBCS)

SPEECH-LANGUAGE PATHOLOGY

Speech and Language Processing

Time : 2 Hours

Max. Marks : 50

Instruction : Answer all questions.

I. 1) Explain any one active theory of speech perception with the advantage and limitations. [10]

OR

2) a) Briefly explain the McGurk effect with example. [5]

b) How perceptual constancy processes augment in speech processing? [5]

II. 3) a) Explain the different acoustic cues for fricative perception? [10]

b) Briefly explain the differences in vowel and consonant perception. [5]

OR

4) Design an experiment to study the role of voice onset time in stop consonant perception with voicing feature. [15]

III. 5) a) Describe the stages involved in spoken word recognition. [5]

b) Discuss the Cohort model of spoken word recognition. [5]

c) Briefly describe the pros and cons' of any one method used in spoken word recognition research. [5]

OR

6) a) Describe how event related potentials can be applied in sentence comprehension research. [10]

b) Explain Garden-path model of attachment ambiguity. [5]

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- IV. 7) a) Enumerate the speech perceptual deficits in individuals with hearing loss. [5]
- b) Write a note on association between early speech perception and later language development. [3]
- c) Name the factors that contribute in cross-language speech perception? [2]

OR

- 8) Write a note on perception of Dysarthric speech by typical individuals. [10]



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**III Semester II Year M.Sc. (SLP) Degree Examination,
February/March - 2021
(Scheme : CBCS)
SPEECH - LANGUAGE PATHOLOGY
Voice and its Disorders**

Time : 2 Hours

Max. Marks : 50

Instruction : Answer as indicated

I 1. Discuss the role of Cortical and subcortical areas in the Phonation movements control. [10]

OR

2. Explain the effect of puberty on voice. [10]

II. 3. Highlight the vocal characteristics in the following : [5 × 3 = 15]

- a) Subglottal stenosis
- b) Unilateral adductor palsy
- c) Laryngo - pharyngeal reflex disorder
- d) Sulcus Vocalis
- e) Contact ulcers

OR

4. a) "Physiological aging contributes to changes in acoustics of voice". Justify with suitable examples. [10]

b) Highlight the importance of voice assessment in a Male - Female transsexual individual. [5]

III. 5. Delineate the importance of upshal and nonlinear based methods in acoustic analysis of voice. [10]

OR

6. Describe any two methods of assessment of vocal fold vibrations. [10]

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- IV. 7. Discuss the role of voice therapy techniques (with suitable examples) in management of [15]
- a) Geriatric voice problems
 - b) Voice problems in elite professional voice user

OR

8. Highlight a suitable surgical management option for the following : [15]
- a) Reinke's edema
 - b) Spasmodic dysphonia
 - c) Recurrent nerve palsy



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

(Scheme : CBCS)

SPEECH - LANGUAGE PATHOLOGY

Aphasia

Time : 2 Hours

Max. Marks : 50

Instructions : 1) *Answer all questions.*

2) *Support your answers with empirical research findings.*

- I.** 1) Explain different classifications of Aphasia and their advantages & disadvantages. [10]

OR

- 2) What are the three major advances in neuro-science which have lead to better understanding and classification of aphasia? [10]

- II.** 3) Explain the functional Architecture model of lexical system. [15]

OR

- 4) a) Explain the working model of speech production and perception given by Blumstein, in 1994. [8]

- b) Enumerate the syntactic deficits in aphasia with the help of any model. [7]

- III.** 5) Explain the biochemical, physiologic and behavioral mechanisms of recovery in persons with aphasia. [15]

OR

- 6) Explain the various neuro-imaging methods for studying language and brain. [15]

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- IV. 7) Explain the philosophy and various steps of thematic language stimulation in persons with aphasia. [10]

OR

- 8) Write a short note on : [5 + 5 = 10]
- a) Manual for adult Aphasia therapy.
 - b) Tele-rehabilitation in persons with aphasia.

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