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MM-1968

Sl. No. 0060

Total No. of Pages : 2

I Semester M.Sc. (Speech Language Pathology)

Examination, February - 2025

(Scheme : CBCS)

**SPEECH PRODUCTION**

Time : 2 Hours

Max. Marks : 50

*Instruction : Answer all questions.*

I. 1) Explain the physiology of voice production. [10]

OR

2) Describe the measurements and instrumentation for measuring airflow, air volume and air pressure. [10]

II. 3) Write a short note on : [3 × 5 = 15]

- a) Types of Spectrogram
- b) Applications of Fourier analysis
- c) Cepstral analysis

OR

4) a) Explain the process of Analog to Digital conversion [7]

b) Describe the source filter theory and its limitations [8]

III. 5) Explain the acoustic characteristics of- [3 × 5 = 15]

- a) Vowels
- b) Stops
- c) Fricative

OR

6) Write a short note on [3 × 5 = 15]

- a) Narrow Vs Wide band spectrogram
- b) Isovowel lines
- c) Effect of phonetic contexts on acoustic characteristics

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IV. 7) Explain the Acoustic characteristics of cry in abnormal infants. [10]

OR

8) What is articulatory synthesis? Explain its applications in detail. [10]



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**I Semester M.Sc. (Speech Language Pathology)  
Examination, February - 2025  
(Scheme : CBCS)**

**CHILD LANGUAGE DISORDERS**

Time : 2 Hours

Max. Marks : 50

*Instruction : Answer all questions.*

- I. 1) a) Write merits, demerits & applications of linguistic & social theory of language acquisition. [10]  
b) Write a note on normal process of second language acquisition. [5]  
OR
- 2) a) Write short note on application of connectionist & hierarchical models in child language disorders. [10]  
b) Outline the neurolinguistic processes in child language disorders. [5]
- II. 3) a) Explain the linguistic, behavioral & literacy characteristics in children with hearing impairment and intellectual disabilities. [10]  
b) Write a note on acquired aphasia in children. [5]  
OR
- 4) a) Write a note on language and literacy characteristics in children with attention Deficit Hyperactivity disorders. [8]  
b) Outline the communication problems found with ASD. [7]
- III. 5) Write short notes on the following [2 × 5 = 10]  
a) RAP - K  
b) CLAP - C  
OR
- 6) Write a note on relevance of neuroimaging methods in the assessment of child language disorders. [10]

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IV. 7) Write a note on Evidence - Based - practice in child language disorders. [10]

OR

8) Write a note on approaches to the management in child languages disorders. [10]



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MM-1970

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Total No. of Pages : 1

**I Semester M.Sc. Examination, February - 2025**

**(Scheme : CBCS)**

**SPEECH-LANGUAGE PATHOLOGY**

**Neuroscience of Speech and Language**

**Time : 2 Hours**

**Max. Marks : 50**

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

- I. 1. a) Explain the organisation of spinal cord. [5]  
b) Describe neuron structure and types. [10]
- OR
2. Explain the origin insertion and function of each cranial nerve. [15]
- II. 3. Explain the utility of Neuro Imaging methods to understand speech & language mechanisms. [10]
- OR
4. Explain Priming and its variants to study linguistic processing. [10]
- III. 5. Explain the role of neuro-transmitters in detail in mediation of Speech & language. [10]
- OR
6. Discuss the signal propagation in nervous system, add a note on ion channels. [10]
- IV. 7. a) Discuss the effect of aging on speech language domain. [10]  
b) Write a note on senescence & senility. [5]
- OR
8. Explain any two different theories of aging. [15]



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MM-1972

Sl. No. 0053

Total No. of Pages : 2

I Semester I Year M.Sc. Examination, February - 2025

(Scheme : CBCS)

**SPEECH LANGUAGE PATHOLOGY**

**Clinical Linguistics and Multilingual Issues In  
Communication**

Time : 2 Hours

Max. Marks : 50

*Instruction : Answer all questions.*

- 1) Explain the major principles of General Linguistics and state their clinical relevance. [10]

OR

- 2) Discuss the Phonological errors which may be reflected in speech/language samples of some speech-language disordered groups. [10]
- 3) Explain how the semantic acquisition takes place in children. [15]

OR

- 4) Discuss the grammatical disorders which may be evident in the language samples of Speech and Language disordered population. [15]
- 5) Explain how the Pragmatic development takes place in children. [15]

OR

*P.T.O.*

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6) Write short notes on:

[3 × 5 = 15]

- a) Dialects and their types
- b) Creoles
- c) Diglossia

7) Discuss the multilingual and multicultural issues faced by clinicians in the process of rehabilitation especially in the Indian context. [10]

OR

8) Write short notes on :

[2 × 5 = 10]

- a) Major language families of India.
- b) Linguistic Relativity

