

## V Semester III B.A.SLP Examination, Nov./Dec. - 2025

(Scheme : NEP)

## SPEECH AND HEARING

## Motor Speech Disorders in Children

Time : 2½ Hours

Max. Marks : 60

Instruction : *Answer all the questions.*

I. 1) a) With a neat diagram, identify the Broadmann areas of frontal & parietal lobe. Describe their role in speech production. [10]  
 b) Briefly explain 'cortico-bulban' & 'corticospinal' neural pathways. [5]

OR

2) a) Define developmental Apraxia of speech. Explain different types of verbal & non-verbal Apraxia with examples. [10]  
 b) Describe the pathophysiology, characteristics and causes of 'Guillain - Barre' syndrome. [5]

II. 3) a) Describe any 5 primitive reflexes. [5]  
 b) Briefly describe the neuromuscular development in typically developing children till the first year of life. [5]  
 c) Write a brief note on postural reflexes. [5]

OR

4) a) Compare and contrast the neuromuscular development in typically developing children with cerebral palsy. [5]  
 b) Briefly describe the clinical signs of ataxic cerebral palsy. [5]  
 c) Briefly explain the speech characteristics of developmental apraxia of speech. [5]

**III. 5)** a) Differentiate the clinical characteristics between cerebral palsy and developmental apraxia of speech. [5]  
b) Explain the 'trigominal' & 'facial' nerve assessment during Cranial nerve examination. [5]  
c) Briefly explain any two 'feeding' tests available in the Indian context. [5]

**OR**

**6)** a) Explain the perceptual speech evaluation of cerebral palsy. [8]  
b) Differentiate the clinical characteristics between developmental apraxia of speech and speech sound disorder. [7]

**IV. 7)** a) Explain the importance of team approach in the management of cerebral palsy. [10]  
b) Describe the compensatory techniques to rehabilitate articulatory and phonatory subsystems in children with cerebral palsy. [5]

**OR**

**8)** a) Explain any 2 principles of motor learning used while treating developmental apraxia of speech. [5]  
b) Write a note on neuro developmental therapy approach. [5]  
c) Briefly describe various "access methods" while selecting aided symbols in AAC. [5]





## V Semester III B.A.SLP Examination, Nov./Dec. - 2025

(Scheme : NEP)

## SPEECH AND HEARING

## Amplification Devices

Time : 2½ Hours

Max. Marks : 60

*Instruction : Answer all questions.*

I. 1) a) Write a note on the different types of microphones used in the hearing aids. [10]  
     b) Describe the different components of a digital hearing aid. [5]

OR

2) a) Discuss the different types of group amplification devices. Add a note on the advantages and disadvantages of each. [10]  
     b) Explain the different classification of hearing aids. [5]

II. 3) Describe the working of a directionality of microphone in digital hearing aids. [15]

OR

4) a) Describe in detail about the digital noise reduction techniques used in digital hearing aids. [10]  
     b) Write a note on artificial intelligence in hearing aids. [5]

III. 5) a) What is compression? Describe different types of compression used in hearing aids. [10]  
     b) Explain expansion of hearing aids. [5]

OR

6) Write short notes on :  
     a) Extended low frequency amplification. [5]  
     b) CROS hearing aids. [5]  
     c) Wide dynamic range compression. [5]

IV. 7) a) Explain the variables that can affect electro acoustic measurement of hearing aids. [10]  
b) Explain the environmental tests of hearing aids. [5]

OR

8) a) Differentiate between ANSI and IEC standards of electro acoustic measurement of hearing aids. [10]  
b) Write a note on the couplers used in electro-acoustic measurements for hearing aids. [5]



## V Semester III B.A.SLP Examination, Nov./Dec. - 2025

(Scheme : NEP)

## SPEECH AND HEARING

## Structural Anomalies and Speech Disorders

Time : 2½ Hours

Max. Marks : 60

Instruction : Answer all the questions.

I. 1) In detail, write the types and classification of cleft lip and palate. [15]

OR

2) a) Write a short note on embryology of palate development. [5]

b) List the causes for cleft lip and palate. [5]

c) Write a short note on characteristics of Pierre Robin syndrome. [5]

II. 3) a) Explain the normal physiology of velopharyngeal closure mechanism. [10]

b) In brief, write the causes for VPD. [5]

OR

4) a) Describe the assessment procedure for VPD. [10]

b) Write a short note on Effect of VPD on speech. [5]

III. 5) a) In detail, write the assessment protocol for children with cleft lip and palate. [10]

b) Briefly discuss the team approach in the management of cleft lip and palate. [5]

OR

6) a) Explain the speech therapy techniques to reduce compensatory articulation. [10]

b) Write a short note on speech prosthesis. [5]

IV. 7) What are the characteristics, associated problems and key points to be included in the pre-surgical counselling for total laryngectomy. [15]

OR

8) a) Write notes on management of patients with laryngectomy using TEP procedure. [10]

b) Write the types of glossectomy and its characteristics.. [5]

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## V Semester III B.A.SLP Examination, Nov./Dec. - 2025

(Scheme : NEP)

## SPEECH AND HEARING

## Pediatric Audiology

Time : 2½ Hours

Max. Marks : 60

Instruction : Answer all questions.

I. 1) With neat and labelled diagrams describe the development of inner ear. [15]

OR

2) Write short notes on :- [3 × 5 = 15]

- a) Pre-natal hearing
- b) Development of auditory behaviour (birth - 1 year)
- c) Implications of learning embryology

II. 3) Describe the need to identify conductive hearing loss early in children. [15]

OR

4) Write short notes on :- [3 × 5 = 15]

- a) High Risk registers
- b) ABR as a newborn hearing screening tool
- c) Indian tests for CAPD screening

III. 5) Discuss the various conditioning techniques for the hearing assessment in children. [15]

OR

6) Write short notes on :- [3 × 5 = 15]

- a) Functional hearing loss assessment in children
- b) ~~Herical~~ Neighbourhood test
- c) WIPI

IV. 7) Discuss the utility of immittance as a diagnostic assessment tool for children. [15]

OR

8) Write short notes on :- [3 × 5 = 15]

- a) ASSR in children
- b) cVEMP in children
- c) Clinical application of ALLR in children





**V Semester III Year B.A. SLP Examination,  
November/December - 2025  
(Scheme : NEP)  
SPEECH & HEARING  
Community Based Rehabilitation**

**Time : 2½ Hours**

**Max. Marks : 60**

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

**I. 1. a) Define CBR and Explain the Principles of CBR. [10]**  
**b) Write Short note on institutional living. [5]**

**OR**

**2. a) Explain the Goals and Objectives of CBR. [10]**  
**b) Explain the importance of government policies & programs in inclusion of CBR. [5]**

**II. 3. a) Explain different types & methods of awareness program for preparing community & persons with disability. [10]**  
**b) Write Short notes on Self Advocacy. [5]**

**OR**

**4. a) Explain focus group discussion. [10]**  
**b) Justify the role of CBR in employment & higher education. [5]**

**III. 5. Write Short notes on the following. [3 × 5 = 15]**

**a) Family Counselling**  
**b) Peer group support**  
**c) Individual transition plan**

**OR**

6. a) Justify the need of corporate social responsibility in CBR. [7]  
b) Explain the importance of developing self determination and self management skills. [8]

IV. 7. a) Explain the role of media in Enhancing community participation.[8]  
b) Write Short note on Print & Electronic media in CBR. [7]

**OR**

8. a) "Educator's use of mass media for CBR & Education" Justify:[10]  
b) Write short on audio-visuals and word of mouth modes in CBR.[5]





## V Semester III B.A.SLP Examination, Nov./Dec. - 2025

(Scheme : CBCS) (Repeaters)

## SPEECH AND HEARING

## Amplification Devices

Time : 3 Hours

Max. Marks : 80

Instruction : Answer all the questions.

I. 1) a) Explain the functioning of analogue, programmable and digital hearing aids with a block diagram. [10]  
b) Describe the functioning of FM device with its advantages and disadvantages. [10]

OR

2) a) Explain the difference between binaural, pseudobinaural and mono aural fitting. [5]  
b) Describe the various components in a hearing aid. [15]

II. 3) a) Explain TILL, BILL and PILL with their clinical importance. [15]  
b) Describe the functioning of multichannel adaptive noise reduction strategy in hearing aids. [5]

OR

4) a) Discuss the various SNR enhancing strategies available in current hearing aids. [15]  
b) Write short notes on Artificial Intelligence in hearing aids. [5]

III. 5) a) What is peak clipping? What are its advantages and disadvantages? [15]  
b) Explain the importance of frequency lowering techniques in hearing aids. [5]

OR

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6) a) Discuss the importance of compression in heavy aids with examples. [10]  
b) Define compression threshold, compression ratio, attack time and release time. [10]

IV. 7) a) Explain EAC measurements for heavy aids along with its purpose, parameters, instrumentation and procedure. [15]  
b) Explain the procedure of any one environmental tests for hearing aids. [5]

OR

8) a) Explain the various standards used for electro acoustic measurements of hearing aids. [10]  
b) What are the various factors affecting electro acoustic measurements [10]

