



**Sri Devaraj Urs Academy of Higher Education & Research**  
(A Deemed to be University)

**Bachelor in Audiology & Speech-language Pathology**  
**Second Year Semester-III March 2024 Examinations**

Time: 3 Hours

Max. Marks: 80

**Voice and its disorders**

**QP. Code: S3100**

*Your answers should be specific to questions asked.*

*Draw neat labelled diagrams wherever necessary*

- |             |            |  |     |
|-------------|------------|--|-----|
| <b>I</b>    | <b>1.</b>  | a) How does the anatomy of the laryngeal mechanism and voice change from infancy to senescence?  | 8   |
|             |            | b) Explain the two theories of voice production: myo-elastic-aerodynamic and neurochronaxic.   | 8   |
| <b>(OR)</b> |            |  |     |
|             | <b>2.</b>  | a) What is normal and abnormal voice? Describe the characteristics of abnormal voice.  | 4+4 |
|             |            | b) Briefly explain the anatomy of the larynx. Differentiate between biological and non-biological functions of larynx.   | 4+4 |
| <b>II</b>   | <b>3.</b>  | a) What causes voice disorders? Discuss the etiological factors.   | 8   |
|             |            | b) What is an organic voice disorder? Explain acid reflux disorders.   | 3+5 |
| <b>(OR)</b> |            |  |     |
|             | <b>4.</b>  | a) Discuss the voice problems seen in the elderly and transgender population. Add a note on the causative factors.   | 8   |
|             |            | b) Define spasmodic dysphonia. Explain the different types of spasmodic dysphonias.  | 2+6 |
| <b>III</b>  | <b>5.</b>  | a) Discuss the protocol employed in the assessment of voice disorder.  | 8   |
|             |            | b) Define and describe the different scales used in the perceptual analysis of voice.  | 8   |
| <b>(OR)</b> |            |  |     |
|             | <b>6.</b>  | a) Define stroboscopy. Explain the procedure involved and the parameters measured in stroboscopy.  | 2+6 |
|             |            | b) Discuss the role of instrumentation in voice evaluation.  | 8   |
| <b>IV</b>   | <b>7.</b>  | a) What is the rationale behind vocal function exercises and resonant voice therapy? Describe the steps involved in each of these techniques.  | 4+4 |
|             |            | b) What are the important aspects of vocal hygiene for persons with hyper functional voice disorders?  | 8   |
| <b>(OR)</b> |            |  |     |
|             | <b>8.</b>  | a) An adult male professional voice singer of 30 years reports to the clinic with a complaint of inability to raise voice, tiredness and pitch breaks. Suggest the suitable therapy techniques for this person. Describe the rationale of, and procedure of, these techniques. | 8   |
|             |            | b) Explain the different management techniques for a person with puberphonia.  | 8   |
| <b>V</b>    | <b>9.</b>  | a) Discuss the medical and therapeutic management of vocal nodules and sulcus vocalis.   | 4+4 |
|             |            | b) Explain the management strategies for benign vocal fold lesions.  | 8   |
| <b>(OR)</b> |            |  |     |
|             | <b>10.</b> | a) What are the various clinical management approaches/techniques for vocal cord paralysis? Discuss.   | 8   |
|             |            | b) Who are professional voice users? Explain the role of SLPs in the management of voice in singers.   | 3+5 |



**Sri Devaraj Urs Academy of Higher Education & Research**  
**(A Deemed to be University)**  
**Bachelor of Audiology & Speech-language Pathology**  
**Second Year Semester-III March 2024 Examinations**

**Time: 2.30 Hours**

**Max. Marks: 80**

**Voice and its disorders**

**QP. Code: S3370**

*Your answers should be specific to questions asked.*

*Draw neat labelled diagrams wherever necessary*

**Long Essay**

**2 X 10 = 20 marks**

1. Describe the acoustic parameters that can be measured to analyse voice.
2. An adult male professional voice singer, aged 30 years, reports to the clinic with the complaint of inability to raise voice, voice tiredness and pitch breaks. Suggest one suitable therapy technique, its rationale and procedural steps to manage his voice.

**Short Essays**

**6 X 5 = 30 marks**

3. How does voice change in adolescent boys and girls?
4. Compare and contrast 'vocal abuse' and 'vocal misuse' with appropriate examples.
5. What is Reinke's edema? What are its causes, signs and symptoms?
6. Explain the importance of VHI for individuals with voice disorders.
7. Discuss the different stages involved in Resonant Voice Therapy.
8. Explain different treatment strategies for functional aphonia.

**Short Answers**

**10 X 3 = 30 marks**

9. Name the layers of the vocal fold.
10. List any six types of voice quality.
11. How is 'breathing for life' different from 'breathing for speech'?
12. Give a brief explanation of the vocal registers.
13. What are the voice problems seen in M-F transgenders.
14. What is laryngitis? List any 4 causes of chronic laryngitis.
15. Discuss the reasons for non-compliance in voice therapy.
16. What are the various intervention strategies for GERD/LPR?
17. Write a note on the management of benign vocal fold lesions.
18. Explain the different management strategies for puberphonia.



**Sri Devaraj Urs Academy of Higher Education & Research**  
**(A Deemed to be University)**  
**Bachelor in Audiology & Speech-language Pathology**  
**Second Year Semester-III March 2024 Examinations**

**Time: 2.30 Hours**

**Max. Marks: 80**

**Speech Sound Disorders**

**QP. Code: S3380**

*Your answers should be specific to questions asked.*

*Draw neat labelled diagrams wherever necessary*

**Long Essay**

**2 x 10 = 20 marks**

1. Describe the acoustic characteristics of vowels and diphthongs.
2. Discuss the factors affecting development of articulation.

**Short Essays**

**6 x 5 = 30 marks**

3. Explain any 5 phonological processes with suitable examples.
4. Explain the importance of examination of oral peripheral mechanism in children with speech sound disorders.
5. What factors are to be considered before taking therapy for children with speech sound disorders?
6. Discuss the role of family members in the management of speech sound disorders in their children.
7. What is PROMPT? Explain its merits and demerits.
8. Describe the broad-based language approaches for management of speech sound disorders.

**Short Answers**

**10 x 3 = 30 marks**

9. What is coarticulation? What are the different types of coarticulation?
10. List the parameters that are used in the acoustic analysis of speech sounds.
11. Write a note on the structural anomalies that cause speech sound disorders.
12. Define rhotacism and lispings.
13. Define speech intelligibility. How do we measure it ?
14. What is stimulability testing?
15. Write a short note on the phonetic placement approach.
16. What is palatography ? What are its uses?
17. What is distinctive feature therapy?
18. List all the cognitive-linguistic based approaches for management of speech sound disorders.



**Sri Devaraj Urs Academy of Higher Education & Research**  
**(A Deemed to be University)**

**Bachelor of Audiology & Speech-language Pathology**  
**Second Year Semester-III March 2024 Examinations**

**Time: 2.30 Hours**

**Max. Marks: 80**

**Diagnostic Audiology Behavioural Tests**

**QP. Code: S3390**

*Your answers should be specific to questions asked.*

*Draw neat labelled diagrams wherever necessary*

**Long essay**

**2 x 10 = 20 marks**

- 1 What is pseudohypacusis? Describe any two pure tone behavioural tests for identification of pseudohypacusis in adults.
- 2 Describe any two non-linguistic auditory processing tests to assess temporal processing.

**Short essay**

**6 x 5 = 30 marks**

- 3 What is PI-PB function? How effectively does it differentiate between cochlear and retro-cochlear pathology?
- 4 What is nystagmus and vertigo? Describe any two behavioural tests to assess vestibular functioning
- 5 Describe tinnitus masking curve. What are its clinical implications?
- 6 Which test battery would you use to identify conductive pathology? Justify your selection of each test in the test battery.
- 7 What is cross check principle? Justify the need for cross check in clinical diagnosis with a suitable example
- 8 Describe any two theories of recruitment

**Short answer**

**10 x 3 = 30 marks**

- 9 Define adaptation. Mention any four tests of adaptation
- 10 Write the function of any three diagnostic tests routinely used in the audiological test battery.
- 11 What is Doerfler-Stewart test? State the principle behind Doerfler-Stewart test. What is the pure tone version of Doerfler-Stewart test called?
- 12 Which are the three important reflexes related to vestibular system?
- 13 Mention three clinical indicators evident from speech audiometry for cochlear pathology
- 14 What is binaural release from masking? Name the test which assesses this mechanism
- 15 Write the principle behind the following tests that differentiate between CP and RCP  
(i) SISI (ii) Brief tone audiometry (iii) STAT
- 16 Write, in brief, the principle, procedure and interpretation of Lombard test for identification of functional hearing loss.
- 17 Define hyperacusis. Comment on the prevalence and common causes for hyperacusis
- 18 What is binaural integration? Name any two tests which assesses this process.



**Sri Devaraj Urs Academy of Higher Education & Research**  
**(A Deemed to be University)**  
**Bachelor of Audiology & Speech-language Pathology**  
**Second Year Semester-III**  
**March 2024 Examinations**

**Time: 2.30 Hours**

**Max. Marks: 80**

**Amplification Devices**

**QP. Code: S3400**

*Your answers should be specific to questions asked.*

*Draw neat labelled diagrams wherever necessary*

**I. Long essay** **2 x 10 = 20 marks**

1. With a neat diagram, describe the components of a digital BTE hearing aid.
2. Describe the materials and steps involved in taking an earmold impression.

**II. Short essay** **6 x 5 = 30 marks**

3. Discuss the different types of assistive listening devices.
4. Describe the detailed procedure of performing real ear measurements.
5. Describe the steps involved in making a softmold.
6. Describe the historical development of hearing aids.
7. How do you counsel an elderly individual regarding the care and maintenance of a hearing aid.
8. Write a short note on the head shadow effect.

**III. Short answer** **10 x 3 = 30 marks**

9. Define compression and mention its types.
10. Define vents and mention the type of vents.
11. Mention the electroacoustic measurements that are done in RTG positions.
12. Mention any three loudness-based fitting formulas.
13. Write a block diagram of measurement of output compression.
14. Mention the type of hearing aids based on the wearing style.
15. List the instruments required for hearing programming.
16. What are the goals of hearing aid fitting?
17. What are the different methods of assessing benefits of an hearing aid?
18. Mention the techniques of signal enhancement in a hearing aid.