



Sri Devaraj Urs Academy of Higher Education & Research
(A Deemed to be University)
Bachelor of Audiology & Speech-language Pathology
Second Year Semester-III April 2023 Examination

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

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|------------|------------|---|-------|
| I | 1. | a) Define normal and abnormal voice. Differentiate between biological and non-biological functions of larynx. | 2+6 |
| | | b) Describe the acoustical changes in voice that occur with ageing and the underlying structural changes. | 8 |
| | | OR | |
| | 2. | a) Define the psychoacoustic parameters of voice. What are the equivalent physical dimensions of these psychoacoustic factors? Define and list their units. | 2+3+3 |
| | | b) Explain the process of amplification and dampening of resonant frequencies. | 8 |
| II | 3. | a) Define normal and abnormal voice. Explain the different vocal registers and their significance. | 2+6 |
| | | b) What protocol will you follow for assessing voice, and why? | 8 |
| | | OR | |
| | 4. | a) Differentiate between puberphonia and high-pitched voice; misuse and abuse of voice. | 4+4 |
| | | b) What is an organic voice disorder? Explain acid reflux disorders. | 2+6 |
| III | 5. | a) Define perceptual analysis of voice and the need for the same. Explain GRBAS and CAPE-V. | 8 |
| | | b) Discuss the importance of instrumentation in voice evaluation. | 8 |
| | | OR | |
| | 6. | a) Define stroboscopy. Explain the procedure involved and the parameters measured in stroboscopic evaluation. | 2+6 |
| | | b) What is the rationale of EGG and stroboscopy? Compare and contrast between the two procedures. | 8 |
| IV | 7. | a) What are the different management techniques available for a person with puberphonia? Discuss at least two procedures in detail. | 8 |
| | | b) Describe the surgical procedures in the treatment of laryngeal web and unilateral adductor vocal fold paralysis. What is the role of a voice pathologist in such a scenario? | 8 |
| | | OR | |
| | 8. | a) How would you prevent voice disorders in children? What precautionary measures will you suggest for an actor who has noticed slight change in voice? | 4+4 |
| | | b) Describe the rationale and procedural steps for vocal function exercises and semi-occluded voice therapy. | 8 |
| V | 9. | a) What are the various clinical management approaches/techniques for vocal cord paralysis? | 8 |
| | | b) Who are professional voice users? Explain the role of SLPs in the management of voice in singers. | 8 |
| | | OR | |
| | 10. | a) Explain the management strategies for benign vocal fold lesions. | 8 |
| | | b) Explain the different intervention strategies involved in functional aphonia. | 8 |



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Time: 2.30 Hours

Max. Marks: 80

Voice and its disorders

QP. Code: S3370

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Draw neat labelled diagrams wherever necessary

Long Essay

2 X 10 = 20 marks

1. Describe Voice Range Profile. How is it useful in the evaluation of professional voice users?
2. Describe the surgical procedures in the treatment of laryngeal web and unilateral adductor vocal fold paralysis.

Short Essays

6 X 5 = 30 marks

3. Explain myoelastic- aerodynamic theory of voice production.
4. Briefly explain laryngeal web and laryngo-oesophageal cleft.
5. Write a note on contact ulcers and granulomas.
6. Discuss the short-term perturbation measures used for analysis of voice.
7. Discuss vocal hygiene programs for children.
8. Explain the importance of documentation in assessing voice therapy outcomes.

Short Answers

10 X 3 = 30 marks

9. Write a note on vocal registers.
10. Briefly explain the laryngeal characteristics seen in children.
11. List the cartilages of the larynx.
12. How do we change pitch and loudness?
13. What are the differences between sulcus vocalis and Reinke's edema?
14. Name any 6 chronic laryngitis.
15. What are the barriers to voice therapy adherence?
16. Write a note on intervention strategies for vocal fold paralysis.
17. Write a note on the management of GERD/LPR.
18. Briefly explain the role of documentation in voice therapy.



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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. Discuss behaviourist theory and distinctive feature theory of phonological development.
2. Describe the speech sound sampling procedures. Explain the factors that affect it. What are its merits and demerits?

Short Essays

6 x 5 = 30 marks

3. What is independent analyses? Write a note on its importance in the assessment of speech sound disorders.
4. Describe the motor-based treatment approaches for correction of speech sound disorders.
5. What are the advantages and disadvantages of instrumental approaches in the assessment and management of speech sound disorders.
6. Describe core vocabulary approach for management of speech sound disorders.
7. Write a short note on a) Articulography b) Video fluoroscopy.
8. Describe broader-based language approaches for management of speech sound disorders.

Short Answers

10 x 3 = 30 marks

9. How do acoustic features of vowels vary with tongue movement?
10. Classify speech consonant sounds based on place of articulation.
11. List any 10 test materials available for the assessment of articulation and phonological processes.
12. How does tongue tie affect articulation?
13. Write about cluster reduction and final consonant deletion with examples.
14. What is PCC? How do we calculate it ?
15. Write about distinctive features therapy.
16. List all the phonetic placement therapy tools used in articulation therapy.
17. Write about minimal contrast therapy.
18. What is reinforcement? What are its types? Give examples.



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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 Describe the rationale, procedure, and interpretation of the findings of, ABLB test. List the merits and demerits of the test
- 2 Discuss the subject and procedural variables that influence the assessment of central auditory processing.

Short essay

6 x 5 = 30 marks

- 3 A 10-year-old child is suspected to have functional HL. Describe the test battery you would adopt and justify your answer
- 4 Discuss the factors that determine the selection of different tests in a test battery for hearing evaluation
- 5 Describe the audiological assessment of hyperacusis
- 6 Describe Feldman masking curves with its clinical implications
- 7 Differentiate between screening and diagnostic tests in hearing evaluation.
- 8 What are the non-speech tests available for testing functional hearing loss in adults? Explain anyone.

Short answer

10 x 3 = 30 marks

- 9 Enumerate the merits and demerits of Stenger test in identifying functional hearing loss
- 10 What are the three components of evidence-based practice?
- 11 Define CAPD. Justify the need to have a special test battery for assessment of CAPD
- 12 Write any six behavioural indicators commonly observed in individuals with functional hearing loss.
- 13 Name two tests each which assesses the following auditory processes
 - (i) Auditory closure
 - (ii) Binaural separation
 - (iii) Temporal processing
- 14 What is forward-backward Bekesy audiometry? How does it help in differentiating between CP and RCP?
- 15 What is nystagmus? What are the different types of nystagmus?
- 16 What is a cochlear dead region? Explain why pure tone audiometry cannot be used for identifying cochlear dead regions.
- 17 Write the steps involved in Fukuda Stepping Test.
- 18 Comment on informal tests for checking functional hearing loss

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**Sri Devaraj Urs Academy of Higher Education & Research
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**Bachelor of Audiology & Speech-language Pathology
Second Year Semester-III March-2023 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. Discuss the classificatory systems for hearing aids.
2. Describe the historical evolution of hearing aids.

II. Short essay 6 x 5 = 30 marks

3. Describe the usefulness of ABR in the selection of hearing aids.
4. Detail the instrumentation required for electroacoustic measurement of hearing aid features.
5. Briefly explain the outcome measures to assess hearing aid benefits.
6. Write a short note on WDRC compression.
7. What are vents? Describe two types of vents.
8. Write a short note on master hearing aid.

III. Short answer 10 x 3 = 30 marks

9. What are the application of cross hearing aids?
10. Mention the steps involved in the preparation of UV mold.
11. Mention any 3 variables affecting electro acoustic measurements of a hearing aid.
12. Write two or three sentences each on any three loudness-based fitting formulas.
13. Which are the most important 3 tips that you will give an elderly individual on the care and maintenance of hearing aids?
14. What are the different techniques used for signal enhancement.
15. What is peak clipping.
16. Define EIN and OSPL 90.
17. Which are the basic components of hearing aid.
18. What do you understand by 'modifications of earmold.'