



Sri Devaraj Urs Academy of Higher Education & Research
(A Deemed to be University)
Bachelor of Audiology & Speech-language Pathology
Second Year Semester-III February-2025 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. Explain the working principle and procedures of EGG and Stroboscopy.
2. Describe vocal hygiene program for voice disorders.

Short Essays

6 x 5 = 30 marks

3. Describe the features of 'senile' voice in males and females.
4. What is mutational falsetto? What causes it? How is it different from functional aphonia?
5. How is voice affected in neurological voice disorders?
6. What is the role of instrumentation in voice evaluation?
7. Discuss digital manipulation.
8. Explain intervention strategies for functional aphonia.

Short Answers

10 x 3 = 30 marks

9. How do we change pitch when we speak/phonate?
10. List the intrinsic muscles of the larynx.
11. What are the perceptual parameters of voice?
12. What is the role of resonance in voice production?
13. Write a note on laryngomalacia.
14. Enumerate the relationship between endocrinal changes and voice problems.
15. Write a brief note on arytenoidectomy.
16. Explain the importance of documentation in voice disorders.
17. Write a short note on injection laryngoplasty.
18. Write a note on the management of acid reflex disease.



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Speech Sound Disorders

QP. Code: S3380

Your answers should be specific to questions asked.

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Long Essay

2 x 10 = 20 marks

1. Classify speech sounds based on the type, manner and placement of articulation. Give suitable examples.
2. Discuss the factors affecting development of articulation.

Short Essays

6 x 5 = 30 marks

3. What are SODA errors? Explain them with examples.
4. Explain any 5 phonological processes with suitable examples.
5. Write about treatment continuum.
6. What is PROMPT? Explain its merits and demerits.
7. Discuss the role of family members in intervention for speech sound disorders.
8. Explain Cycles approach for treatment of speech sound disorders.

Short Answers

10 x 3 = 30 marks

9. What is coarticulation? Write its types.
10. List the parameters that are used in acoustic analysis of speech sounds.
11. Write on structural anomalies that cause speech sound disorders.
12. Define rhotacism and lisping.
13. What are the structures assessed during oral peripheral mechanism?
14. Define speech intelligibility. How do we measure it?
15. Write a short note on phonetic placement approach.
16. What is Moto-kinesthetic approach? List its advantages and disadvantages.
17. Write about minimal pair contrasts therapy with examples.
18. List all cognitive-linguistic based approaches in the assessment of speech sound disorders.



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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 What is the principle behind SISI test? How do you conduct the SISI test and interpret the findings?
- 2 What is dichotic listening? Explain any one dichotic speech test and discuss its merits and demerits.

Short essay

6 x 5 = 30 marks

- 3 What is tinnitus? Describe residual inhibition.
- 4 How do you identify a person with pseudohypacusis without doing formal tests?
- 5 Describe any two behavioural tests used to assess vestibular disorders.
- 6 What is test battery approach? Justify the test battery approach with a suitable example
- 7 What are the different tests available to identify functional hearing loss in children? Explain any one test, in detail, with its advantages and disadvantages.
- 8 What is a diagnostic test? Describe the characteristics of a good diagnostic test.

Short answer

10 x 3 = 30 marks

- 9 What is brief tone audiometry? How does it help in differentiating between CP and RCP?
- 10 Define sensitivity, specificity and false alarm rate.
- 11 List the indication/ signs of functional HL in an adult who is seeking disability certificate.
- 12 Mention any three clinical indicators for retro-cochlear pathology evident from pure tone audiometry
- 13 Write the test findings in a person with temporal lobe lesion on the following tests
 - a) Speech perception in noise (SPIN)
 - b) Dichotic digit test (DDT)
 - c) Masking level difference
- 14 Define complete recruitment, partial recruitment and decruitment with the help of laddergram
- 15 Draw the Bekesy tracings expected in individuals with functional hearing loss for the following tests:
 - (i) Bekesy type V
 - (ii) Lengthened off time (LOT)
 - (iii) Descending – LOT (DELOT)
- 16 Enumerate any three tests for assessing temporal processing with a line about each test
- 17 Mention any three questionnaires used in the assessment of hyperacusis.
- 18 Define misophonia, phonophobia and hyperacusis



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Amplification Devices

QP. Code: S3400

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary

I. Long essay

2x10=20 marks

1. Detail the stepwise procedure for making a soft earmold.
2. Describe the audiological and non-audiological factors to be considered while selecting a hearing aid.

II. Short essay

6x5=30 marks

3. Describe the different types of amplifiers used in hearing aids.
4. Describe electroacoustic measurement and instrumentation with a neat labelled diagram.
5. What is the method for selecting a hearing aid for an infant?
6. Describe, in detail, different assistive listening devices.
7. Write a short note on the head shadow effect.
8. Is counselling necessary for a hearing aid trial after diagnosis. Justify your answer.

III. Short answer

10x3=30 marks

9. What are the types of microphones used in hearing aids?
10. What is the need for compression in hearing aids?
11. What is the difference between residual hearing and dynamic range?
12. Mention the modifications that can be done in an earmold.
13. Write a short note on group amplification devices.
14. Write a note on techniques used for signal enhancement.
15. What is functional gain?
16. Define RTG and OSPL 90.
17. Mention the steps in taking ear impression for making earmold.
18. Trace the developmental of non-digital hearing aid.