Sri Devaraj Urs Academy of Higher Education & Research
(A Deemed to be University)
Bachelor in Audiology & Speech-language Pathology
Second Year Semester-IV October 2023 Examinations

Time: 2.30 Hours   **Max. Marks: 80**

Fluency and its Disorders
QP. Code: S4420
Your answers should be specific to questions asked.
Draw neat labelled diagrams wherever necessary

Long Essay   **2 x 10 = 20 marks**

1.   How would you assess stuttering in a 10-year-old child? Mention the short comings of such an evaluation.

2.   Explain the rationale and steps involved in the flow and slow method, and loose contacts.

Short Essays   **6 x 5 = 30 marks**

3.   Discuss fluency as an index of speech function.

4.   Explain the characteristics of developmental stuttering.

5.   Briefly explain any 5 rating scales used with adults who stutter.

6.   What are the factors influencing relapse in stuttering?

7.   Explain the use of delayed auditory feedback as a form of therapy for cluttering.

8.   Discuss the different management options available in the management of SAAND.

Short Answers   **10 X 3 = 30 marks**

9.   Briefly explain any 3 types of stress.

10.   Write a note on the development of rhythm in children.

11.   Name the different types of hesitations seen in speech.

12.   Briefly explain any 3 causes that lead to breaks in continuity during conversation.

13.   Define Bloodstein's definition of stuttering Add a note on the causes of stuttering.

14.   What are core behaviours of stuttering? List them and add a sentence or two on the reason they are core behaviors.

15.   Write a short note on the demand capacity model.

16.   Write a short note on diagnosogenic theory.

17.   Discuss the importance of counselling a child with normal non-fluency.

18.   Explain Weiss's treatment procedure for cluttering.

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Language Disorders in Children
QP. Code: S4430

Your answers should be specific to questions asked.
Draw neat labelled diagrams wherever necessary

Long Essay   **2 x 10 = 20 marks**

1. How do you assess speech production, language expression and comprehension in children with specific language impairment?

2. Compare and contrast biological maturation theory and behavioural theory of language acquisition in children.

Short Essays   **6 x 5 = 30 marks**

3. Write a brief note on any 4 tests used for assessment of language in children with communication disorders.

4. How is ID classified?

5. What is the difference between expansion and extension? Explain with appropriate examples.

6. Explain early and late bilingualism.

7. Write a short note on the causes and features of learning disability.

8. What is language impairment in children? Enumerate the different types of language impairments, their causes and characteristics.

Short Answers   **10 x 3 = 30 marks**

9. Define autism based on ICD-11

10. LPT

11. Write a note on 'Case history'

12. Milieu teaching

13. Williams syndrome

14. A team for management of children with cerebral palsy

15. PECS

16. Individual vs. group therapy

17. Language development in children coming from lower socio-economic strata.

18. What are development scales? Give one example.

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Diagnostic Audiology: Physiological Tests
QP. Code: S4440

Your answers should be specific to questions asked.
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Long Essay   **2 x 10 = 20 marks**

1. Describe the instrumentation required and procedure for recording transient evoked otoacoustic emissions. Add a note on interpretation of these emissions.
2. Discuss the ABR protocol with stimulus and acquisition parameters for site of lesion testing. Write any two strategies to enhance wave I.

Short Essays   **6 x 5 = 30 marks**

3. What is videonystagmography? List the advantages and disadvantages of videonystagmography testing.
4. What is immittance evaluation? Describe the principles behind immittance evaluation.
5. Write the recommended protocol for recording late latency responses.
6. Describe the following 2 subtests of ENG that are useful in the diagnosis of vestibular disorders
   i) Spontaneous nystagmus test
   ii) Saccades test
7. Discuss the clinical applications of acoustic reflex testing with appropriate case illustrations
8. What are endogenous potentials? Describe any one endogenous potential along with its clinical applications.

Short Answers   **10 x 3 = 30 marks**

9. Write any three techniques used to enhance auditory evoked potentials in free field recording
10. What are the 3 components that can be recorded with ECochG.
11. omment on the physiological bases of OAEs.
12. What is ABR? What are Jewett waves?
13. What is vestibulo-ocular reflex (VOR)? Mention any two tests used to asses VOR.
14. What is Valsalva manoeuvre? How does it help in assessing Eustachian tube functioning?
15. What is multi-frequency tympanometry? How does it help in identifying resonant frequency?
16. List the merits and demerits of spontaneous OAEs.
17. Justify the need for physiological assessment of vestibular system
18. What are the strengths and limitations of ASSR (3 points each)?

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Implantable Hearing Devices
QP. Code: S4450
Your answers should be specific to questions asked.
Draw neat labelled diagrams wherever necessary

Long Essay   **2 x 10 = 20 marks**

1. Write short notes on candidacy criteria for: i) BAHA   ii) MEI

2. Discuss factors to be considered in pre-implant counselling of different implantable hearing devices.

Short Essays   **6 x 5 = 30 marks**

3. Write a short note on classification of middle ear implants

4. What are the various components of BAHA

5. Write a detailed note on auditory brainstem implant

6. Describe any two objective measures used in cochlear implant assessment.

7. Describe the intraoperative monitoring procedure done by an audiologist

8. Describe any one of the surgical techniques used for BAHA

Short Answers   **10 x 3 = 30 marks**

9. What is the need for middle ear implant?

10. What are the advantages of bilateral cochlear implants

11. Define the terms - i) Maxima ii) Common ground

12. Write a short note on care and maintenance of implantable hearing devices

13 What factors affect the outcome of implantable hearing devices in children?

14. Write a note on the assessment of benefits of ABI

15. Describe- i) Bilateral cochlear implant, ii) Hybrid cochlear implant

16. Describe the risks associated with surgery for BAHA

17. List the mapping parameters that guide speech coding based on frequency domain

18. Explain the working principle of cochlear implant.

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Research Methods and Statistics
QP. Code: S4460
Your answers should be specific to questions asked.
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Long Essay   **2 x 10 = 20 marks**

1. Discuss importance of central tendency measures. Mention various measures. The ages of 10 children with sensory-neural hearing loss are given below. Determine the mean and median. 7, 8, 6, 5, 59, 5, 10, 62, 9, 13. Suggest an ideal measure for the data.

2. Describe the basic principles of ethics in research with suitable examples.

Short Essays   **6 x 5 = 30 marks**

3. Discuss standard deviation as a measure of dispersion.

4. Describe the steps in conducting a randomized controlled trial.

5. What are tests of significance? Classify with examples.

6. Non-probability sampling methods.

7. Compare and contrast primary and secondary data.

8. Define plagiarism in research. Describe research and publication ethics.

Short Answers   **10 x 3 = 30 marks**

9. Compute standard deviation for age of patients attending OPD 65, 23, 78, 45, 64.

10. Characteristics of a normal curve.

11. Describe the advantages and disadvantages of cohort study.

12. Describe bias due to confounding.

13. Explain types of bar diagram with example.

14. Describe systematic random sampling technique with suitable example.

15. Classify variables with examples.

16. Differentiate qualitative and quantitative data.

17. Types of correlation with examples.

18. Enumerate the methods of literature review in research.