



Sri Devaraj Urs Academy of Higher Education & Research
(A Deemed to be University)
Bachelor in Audiology & Speech-language Pathology
Second Year Semester-IV May/June 2026 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

I. Long Essay

2 X 10 = 20 Marks

1. How does normal non-fluency differ from developmental stuttering in children?
2. What are the causes of relapse of stuttering?

II. Short Essays

6 X 5 = 30 Marks

3. What is fluency? Describe the development of fluency.
4. Explain Bloodstein's four phases of the onset and development of stuttering.
5. Describe Stuttering Severity Instrument-4.
6. Explain the rationale and steps involved in the thumb and opposing finger analogy.
7. Explain Gregory's types of parent counselling to prevent stuttering.
8. Is delayed auditory feedback effective in reducing cluttering? Justify your answer.

III. Short Answers

10 X 3 = 30Marks

9. What are the different dimensions of speech fluency?
10. How does mental and physical effort affect speech fluency?
11. What are the 6 factors which affect the continuity of speech from speaker's perspective?
12. What are the functions of rhythm in speech production?
13. Name any 6 secondary behaviours seen in persons with stuttering.
14. What is neurogenic stuttering? What causes it?
15. Briefly explain repressed need hypothesis.
16. How does cerebral dominance theory help understand stuttering.
17. Name any 3 management options available for acquired stuttering.
18. Explain the importance of counselling for a child with normal non-fluency.



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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. Trace language development from birth to two years.
2. Describe the procedure for assessment of language in a child attending primary school.

Short Essays

6 x 5 = 30 marks

3. Write a brief on AAC.
4. Define autism with reference to DSM-5. What are its characteristics?
5. Describe the condition of learning disability.
6. Elaborate on the following treatment approaches with appropriate examples.
 - i) Directed Reading Activity
 - ii) Maze technique
7. Explain the importance of team approach in the management of child language disorders.
8. Briefly explain language acquisition based on cognitive theory.

Short Answers

10 x 3 = 30 marks

9. Lovaas approach
10. Write a note on termination of therapy
11. Negative reinforcement
12. LAD
13. Bayley's scale for infant and toddler development
14. Fragile X Syndrome
15. CP
16. Autism in children and adults
17. ADHD
18. Incidental teaching



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Diagnostic Audiology: Physiological Tests

QP. Code: S4440

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary

I. LONG ESSAY

2 X 10 = 20 Marks

1. What are auditory evoked potentials? Describe the principles of recording of auditory evoked potentials
2. Discuss the factors influencing the outcome of newborn hearing screening with OAEs.

II. SHORT ESSAYS

6 X 5 = 30 Marks

3. Define tympanometry. Explain compensated and uncompensated tympanometry?
4. What is electrocochleography? What are the differences in the procedure for recording ECochG and ABR?
5. Name the test which uses warm and cold irrigation of water or air into the external auditory canal for assessing the vestibular function. Discuss the procedure and interpretation of this test.
6. Describe any 2 special tests of reflexometry that help differentiate cochlear from retro-cochlear pathology.
7. Discuss the clinical utility of long latency responses.
8. What is dynamic post urography? Describe the procedure, interpretation, advantages and disadvantages of dynamic post urography.

III. SHORT ANSWERS

10 X 3 = 30 Marks

9. Differentiate between exogenous and endogenous potentials.
10. Write the advantages of ASSR over ABR.
11. What are the characteristics of distortion product OAEs?
12. Discuss the ABR generators.
13. What is middle latency response? Write the components of MLR with specific generators of each component.
14. Draw a neat block diagram instrumentation required for recording transient evoked OAEs.
15. Define the following procedures:
 - i) Multi-component tympanometry
 - ii) Multi-frequency tympanometry
 - iii) Wide band tympanometry
16. What is electronystagmography? What are the indications for carrying out ENG?
17. What are the parameters to be calibrated in an immittance meter, and why?
18. Who are the team members involved in the assessment and management of vestibular disorders? What is the role of an audiologist in the team?



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Implantable Hearing Devices

QP. Code: S4450

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary

I. LONG ESSAY

2 X 10 = 20 Marks

1. Describe, in detail, the surgical procedure for middle ear implant. What are the risks and complications associated with surgery?
2. Write short notes on any 2 speech coding strategies in cochlear implants

II. SHORT ESSAYS

6 X 5 = 30 Marks

3. Trace the history of cochlear implants
4. Describe the factors affecting the outcome of implantable device.
5. Describe the audiological candidacy criteria for middle ear implants
6. Describe the methods of troubleshooting an implantable device.
7. Write a short note on mapping of cochlear implants
8. With a neat labelled diagram, discuss the classification of BAHA.

III. SHORT ANSWERS

10 X 3 = 30 Marks

9. What information would give to the parents of a hearing impaired child before switch on after surgery?
10. Who are the members of the team for implantable hearing devices
11. Define the terminologies- T level and C level
12. Describe the parameters used in mapping of cochlear implant
13. Explain the components of BAHA.
14. What would you counsel a child selected for middle ear implant?
15. Write the advantages of sequential cochlear implant
16. What is osseointegration?
17. Briefly explain bilateral and bimodal cochlear implant
18. What is the need BAHA?



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Time: 2hrs 30 Mins

Max. Marks: 80

Research Methods and Statistics

QP. Code: S4460

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary

LONG ESSAY

2 X 10 = 20 MARKS

1. Explain different types of data? Suggest various methods of collection of data with advantages and disadvantages.
2. Classify the different types of hypothesis. Describe them with suitable examples from the field of speech and hearing.

SHORT ESSAYS

6 X 5 = 30 MARKS

3. Explain types of correlation with examples.
4. Enlist the types of sampling in research. Describe non-random sampling techniques.
5. Explain 3 measures of dispersion with examples.
6. Classify tests of significance.
7. Describe interview as technique of data collection. Mention its merits and demerits.
8. Define bias in research. Describe the types of bias and the ways to overcome them.

SHORT ANSWERS

10 X 3 = 30 MARKS

9. Types of variables with example.
10. Describe the standard attributes of a research question.
11. Calculate median age for the data 98, 65, 21, 6, 85, 23, 27, 65.
12. Describe the significance of literature review in Research.
13. Normal distribution curve.
14. Describe open-ended and close-ended questions with examples.
15. Median as a measure of central tendency for skewed data 'discuss'.
16. Role of student t test in data analysis.
17. Describe blinding in experimental studies.
18. Describe external validity in research.



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Structural Anomalies and Speech Sound Disorders

QP. Code: SA4130

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary

I. Long Essay

2 X 10 = 20 Marks

1. What are the guidelines for linguistic-based approach?
2. Describe Kernahan's striped 'Y' classification and Veau's classification of cleft lip and palate.

II. Short Essays

6 X 5 = 30 Marks

3. Explain source filter theory.
4. What is behaviourist theory, and how is it applied in clinical practice?
5. Explain the auditory discrimination of speech sounds.
6. Define intelligibility and list the factors that influence it.
7. Explain the role of different team members involved in the management of mandibulectomy.
8. What are the speech and swallowing characteristics of partial glossectomy?

III. Short Answers

10 X 3 = 30 Marks

9. What is reduplication, weak syllable deletion and cluster reduction?
10. What are the factors influencing speech sound acquisition?
11. What is phonetic transcription?
12. Name any 3 test materials used in the assessment of phonological disorders.
13. Explain successive approximation with an example.
14. Write the limitations of top-down approaches.
15. Differentiate obturator and palatal lift.
16. Describe the role of positioning during feeding.
17. What are the post-operative speech outcomes after mandibulectomy?
18. What causes cancer of the tongue?



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Diagnostic Audiology – Advanced

QP. Code: SA4140

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary

I Long essay (Answer all the questions) 2x10=20 marks

1. Explain in detail the clinical applications of Auditory Brainstem Response
2. What is binaural interaction? Explain any two binaural interaction tests to assess lesion at brainstem level.

II Short essay (Answer all the questions) 6x5=30 marks

3. Discuss the various factors that can influence long latency response (LLR)
4. Describe the different parts of the immittance probe and their importance in immittance measurements.
5. Discuss the clinical applications of immittance audiometry with suitable case scenarios.
6. What is vestibulo-ocular reflex (VOR)? Explain the mechanism by illustrating the VOR pathway.
7. What is electrocochleography (ECoG)? How does the procedure for recording ECoG vary from that of ABR?
8. Define hyperacusis. Explain with illustration the assessment of severity of hyperacusis using Johnson Hyperacusis Dynamic range quotient.

III Short answer (Answer all the questions) 10x3=30 marks

9. How does the repetition rate affect the ABR?
10. Mention any three questionnaires used for the assessment of tinnitus
11. Define auditory evoked potentials (AEPs)? What are the two ways of recording AEPs?
12. What is the clinical significance of P300?
13. What is Kimura's theory of dichotic listening?
14. What is reflex decay test? How does it help in differentiating between CP and RCP?
15. Justify the need to study vestibular disorders
16. Write the clinical significance of wide-band tympanometry.
17. Write any 3 non-pathological subject factors affecting MLR
18. What is intrinsic and extrinsic redundancy w.r.t CAPD?



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Neurology
QP. Code: SA4150

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary

I. LONG ESSAY

2 X 10 = 20 Marks

1. Explain the structure of cerebrum with clean diagram. What are the functions of different lobes?
2. Discuss the different procedures involved in neurological examination with respect to speech, language, swallowing, hearing and balance.

II. SHORT ESSAYS

6 X 5 = 30 Marks

3. Differentiate UMN (spastic) and LMN (flaccid) dysarthria based on etiology, neurological basis, and speech characteristics.
4. Explain the production and circulation of cerebrospinal fluid (CSF).
5. Describe the neuropathology, stages, and communication deficits of Alzheimer's disease.
6. Explain the etiology, pathophysiology, and clinical features of alcoholic cerebellar degeneration.
7. Define cerebral palsy and describe its etiology and classification based on motor type and topography.
8. Explain childhood language disorders associated with neurological conditions.

III. SHORT ANSWERS

10 X 3 = 30 Marks

9. List the sensory and motor functions of Vagus Nerve.
10. Define action and resting potentials.
11. List the functions of cerebellum.
12. Explain what happens in oral phase of swallowing.
13. What are the common causative organisms of bacterial meningitis.
14. What is syringomyelia? What are its clinical features?
15. What is subdural hematoma and epidural hematoma?
16. List and define the any 3 tumors of the CNS.
17. What is the role of cognition in communication?
18. Define primitive reflexes. List the oral reflexes and its age of disappearance.



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Research Methods and Statistics

QP. Code: SA4160

Your answers should be specific to questions asked.

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I. LONG ESSAY

2 X 10 = 20 Marks

1. Discuss research designs that can effectively be applied in communication disorder studies and explain the reasons for its suitability.
2. Discuss various methods of data presentation with examples.

II. SHORT ESSAYS

6 X 5 = 30 Marks

3. Define variables and its types with examples.
4. Short note on reliability and validity.
5. Parametric and Nonparametric test.
6. Central tendency of the data and its importance in the research.
7. What are the pros and cons of the role of media in epidemiology?
8. What are the basic principles for conducting epidemiological research? Explain with an example from the field of Speech and hearing.

III. SHORT ANSWERS

10 X 3 = 30 Marks

9. Define research variable and mention its types?
10. Write about the characteristics of research.
11. Define primary versus secondary data.
12. Explain non-probability sampling and mention its types.
13. Continuous and Discrete Measurements.
14. Independent t test.
15. Types of correlation with examples
16. Explain Mean, Median, Mode with examples.
17. Explain any 1 epidemiological model.
18. What are the sources of epidemiological information?