



Sri Devaraj Urs Academy of Higher Education & Research
(A Deemed to be University)
Bachelor in Audiology & Speech-language Pathology
First Year Semester-I January-2025 Examinations

Time: 2.30 Hours

Max. Marks: 80

Introduction to Speech-Language Pathology

QP Code: SA1010

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

1. How do you assess a child with unclear speech?
2. Give an overview of assessment of language disorders.

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

3. Describe the components of language.
4. Explain Shannon Weaver model of speech communication.
5. How would you plan for a speech and language therapy?
6. Explain the receptive developmental milestones from birth to one year.
7. Explain SOAP.
8. What are the roles of an itinerant speech therapist?

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

9. Explain the role of articulators in speech production.
10. Name any 3 modes of expressive communication?
11. Explain the type of punishment.
12. Differentiate habilitation from rehabilitation.
13. What are the causes of swallowing disorders?
14. Differentiate between indirect and direct voice therapy?
15. How would you employ early prevention of speech-language disorders.
16. What are the causes of language disorders in adults?
17. Briefly explain any 3 types of therapy outcomes.
18. Why should we practice EBP?



Sri Devaraj Urs Academy of Higher Education & Research
(A Deemed to be University)
Bachelor in Audiology & Speech-language Pathology
First Year Semester-I January-2025 Examinations

Time: 2.30 Hours

Max. Marks: 80

Introduction to Audiology

QP Code: SA1020

I. Long Essay

2 X 10 = 20 marks

1. Describe the factors that could influence information gathering through case history
2. What is a transducer? Discuss the various types and their uses.

II. Short Essays

6 X 5 = 30 marks

3. Discuss the importance of multidisciplinary inputs to audiology.
4. Describe the scope of practice in the field of audiology.
5. Describe the power and pressure formulae of decibel.
6. What is the rationale behind the usage of dB concept in audiology? What are their applications in audiology.
7. What is redundancy in hearing? Explain intrinsic and extrinsic redundancy with appropriate examples
8. What is PIPB function? Explain its role in differentiating between cochlear and retro cochlear pathology.

III. Short Answers

10 X 3 = 30 marks

9. Mention the branches of audiology.
10. Mention the major milestones in the history of audiology.
11. Define dB HL and dB SL.
12. Calculate dB IL for sound power 10^{-6} watts/m².
13. Differentiate between exogenous and endogenous causes of hearing loss.
14. Mention any 3 conditions of congenital malformation of the inner ear where both bony and membranous labyrinth are affected.
15. What are the three main components of an audiometer.
16. Write the formula for calculating monaural and binaural percentage of hearing loss according to AAOO method.
17. What are the three main factors to be considered while selecting the speech test material?
18. What is roll over phenomenon? How do you calculate the roll over index?



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

Bachelor in Audiology & Speech-language Pathology
First Year Semester-I January-2025 Examinations

Time: 2.30 Hours

Max. Marks: 80

Anatomy and Physiology of Speech & Swallowing
QP. Code: SA1030

- I. Long essay** **2 x 10 = 20 marks**
1. Describe the development of Oral cavity and its structures.
 2. Describe the anatomy of respiratory system.
- II. Short essay** **6 x 5 = 30 marks**
3. Describe the mechanism of phonation.
 4. Describe the structures of resonatory system.
 5. Explain the various stages of swallowing.
 6. Describe the functions of Pharynx in detail.
 7. Describe various language disorders and its characteristics.
 8. Describe the causes of feeding and swallowing disorders.
- III. Short answer** **10 x 3 = 30 marks**
9. Define all the basic terminologies related to embryology
 10. Explain the Anatomical terms in relation to embryology.
 11. List all the intrinsic and extrinsic muscles of larynx.
 12. List the muscles of respiratory system.
 13. Brief the role of palate in speech production.
 14. List out the functions of larynx.
 15. List all the muscles of pharynx.
 16. List out the structures involved in swallowing.
 17. Define stuttering and write its characteristics.
 18. What is aphasia? List its causes.



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

**Bachelor in Audiology & Speech-language Pathology
First Year Semester-I January 2025 Examinations**

Time: 2.30 Hours

Max. Marks: 80

Anatomy and Physiology of Hearing

QP. Code: SA1040

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. Describe the structure and function of the external auditory canal
2. Discuss the role of sensory hair cells (IHCs and OHCs) in hearing

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

3. What are the two muscles found in the middle ear cavity? Explain its origin, insertion, and action.
4. Discuss the role of the middle ear in the transmission of sound
5. Describe the cochlear nucleus and superior olivary complex of the central auditory pathway
6. Explain the different phases of the development of the inner ear with a neat diagram.
7. Discuss the anatomical terms and planes of reference with appropriate diagrams
8. What is an efferent auditory pathway? Discuss its role in hearing

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

9. Name the structures that form the lateral wall, floor, and roof of the cochlear duct.
10. What are the different mechanisms that explain hearing through bone conduction?
11. Define mitosis. List the phases of mitosis.
12. Write the different stages of embryological development of the middle ear
13. What are the three major structures on the anterior wall of the middle layer cavity?
14. What are the three depressions of the pinna?
15. What are the anatomical divisions of the temporal bone
16. Draw a neat diagram showing the entry point of the auditory nerve into the brain.
17. What are the other terminologies used to refer to efferent auditory pathways?
18. What is the middle ear cleft?



Sri Devaraj Urs Academy of Higher Education & Research

(A Deemed to be University)

Bachelor in Audiology & Speech-language Pathology

First Year Semester-I January-2025 Examinations

Time: 2.30 Hours

Max. Marks: 80

Communication Sciences: Speech-language Pathology & Audiology

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary

(Use Separate answer booklet for Section A & B)

Section- A

Communication Sciences: Speech-language Pathology (40Marks)

QP Code: S1285

Long essay

1x10=10 marks

1. Discuss the subsystems involved in speech production. Explain how these subsystems coordinate in the production of speech.

Short essay

3 x 5 = 15 marks

2. Explain the changes seen in voice from infancy to adolescence.
3. What is aphasia? Briefly discuss the different types of non-fluent aphasia.
4. Write any 10 signs and symptoms of voice disorder.

Short answer

5 x 3 = 15 marks

5. Explain the developmental stages of speech production from birth to 1 year.
6. What factors affect the development of speech and language?
7. Explain the different types of team approach.
8. Trace the history of speech-language pathology.
9. Briefly describe the clinical services provided by a speech-language pathologist.

Section – B

Communication Sciences: Audiology (40 Marks)

QP Code: S1286

Long essay (Answer all the questions)

1 x 10 = 10 marks

1. With a neat labelled diagram describe equal loudness contours and its application.

Short essay (Answer all the questions)

3 x 5 = 15 marks

2. Describe MAP and MAF
3. Describe power and pressure formulae of decibel.
4. Write a note on the scope of practise in the field of audiology

Short answer (Answer all the questions)

5 x 3 = 15 marks

5. Define threshold of pain
6. Mention the applications of decibel
7. Mention the reasons for missing 6dB.
8. Define dB SPL and RETSPL
9. What are the components of sound?

* * * *



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

Bachelor in Audiology & Speech-language Pathology
First Year Semester-I January-2025 Examinations

Time: 2.30 Hours

Max. Marks: 80

Anatomy and Physiology of Speech-language and Hearing

Section- A

Anatomy and Physiology of Speech-language (40Marks)

QP Code: S1295

Your answers should be specific to questions asked.

Draw neat labelled diagrams wherever necessary

(Use Separate answer booklet for Section A & B)

Long essay

1 x 10 = 10 marks

1. Describe any 5 embryonic anomalies affecting speech and language.

Short essay

3 x 5 = 15 marks

2. Describe the anatomy of respiratory system in brief.
3. Describe the structures involved in articulation process.
4. Describe the role of larynx in speech production.

Short answer

5 x 3 = 15 marks

5. List out the functions of larynx.
6. Give a one sentence description of the functions of intrinsic muscles of larynx.
7. Briefly describe the functions of oesophagus.
8. Briefly explain the structure of oral cavity.
9. List out the structures involved in swallowing.

Section – B

Anatomy and Physiology of Hearing (40 Marks)

QP Code: S1296

Long essay

1 x 10 = 10 marks

1. Explain the different binaural cues available for sound localization. Discuss the role of pinna in localization.

Short essay

3 x 5 = 15 marks

2. Name the 3 ossicles of the middle ear cavity. Explain the structure of any one of them.
3. Describe the auditory and non-auditory functions of the middle ear
4. Write a neat labelled schematic diagram of the central auditory pathway

Short answer

5 x 3 = 15 marks

5. What are the different sensory cells and the supporting cells present within the cochlear duct?
6. Substantiate the need for studying the embryonic development of the auditory system to understand hearing.
7. Illustrate the different phases of development of inner ear with a neat diagram.
8. Mention the different types of cochlear potentials
9. List at least two congenital anomalies each that afflict external, middle and inner ear.

* * * *



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

Bachelor in Audiology & Speech-language Pathology
First Year Semester-I January-2025 Examinations

Time: 2.30 Hours

Max. Marks: 80

Clinical Psychology

QP. Code: S1300

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

Long Essay

2 X 10 = 20 marks

- 1 Discuss the different schools of thought and current perspective of psychology
- 2 Define counselling. Elucidate different types of counselling.

Short Essays

6 X 5 = 30 marks

- 3 Briefly explain the psychological models of mental disorders
- 4 Write an essay on factors influencing psychological assessment
- 5 Enumerate the different criteria's of normality and abnormality
- 6 What factors influence clinical interview? Justify your answer.
- 7 What is socialization? What are the components of socialization?
- 8 Elucidate the additional principles of classical learning

Short Answers

10 X 3 = 30 marks

- 9 Explain the biological model of mental disorders
- 10 What is clinical observation? Write on different types of Clinical observation.
- 11 Discuss any two tests of memory.
- 12 Write a brief note on the assessment of adaptive skill
- 13 Write a note on handedness and why it is important in speech-language processes.
- 14 What are the different components of emotions? Explain.
- 15 Write a short essay on response class in operant conditioning
- 16 Explain operant discrimination and generalization
- 17 Write on cell regeneration theory of neurophysiology
- 18 Enumerate the steps involved in directive counselling

* * * *



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

Bachelor in Audiology & Speech-language Pathology
First Year Semester-I January 2025 Examinations

Time: 2.30 Hours

Max. Marks: 80

Linguistics and Phonetics

QP. Code: S1310

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

Long Essay

2 x 10 = 20 marks

1. What is language? What are its characteristics?
2. What is phonetics? What are its branches?

Short Essay

6 x 5 = 30 marks

3. Describe immediate constituent analysis and its problems.
4. How are sentences classified?
5. Describe the linguistic stage of language development.
6. Explain the relationship between language and cognition.
7. Write about language families of India.
8. What is language family? Discuss at least two language families of India.

Short Answers

10 x 3 = 30 marks

9. Differentiate between human and animal communication system.
10. List the designed features of language.
11. How do you classify speech sounds based on place of articulation ?
12. How do we classify the vowels ?
13. Write a note on pragmatics and discourse.
14. Write about deep and surface structure.
15. What developments take place between 7 months and 1 year during linguistic stage of language development?
16. Explain the consonantal acquisition system of Templin (1957).
17. List the differences between first language acquisition and second language acquisition.
18. What is language transfer? Illustrate