

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION AND RESEARCH  
(A DEEMED TO BE UNIVERSITY)

Bachelor in Audiology and Speech– Language Pathology

First Year Semester-I April 2022 Examination

Time: 3 Hrs

Max Marks: 80

Communication Sciences

QP Code: S1010

*Your answers should be specific to the question asked  
Draw neat labelled diagrams wherever necessary*

- I**
1. a) Discuss the factors affecting normal speech-language development [8]  
b) i) What are the different modes of speech communication? [8]  
ii) Explain any one model of communication with its advantages and disadvantages.
- OR**
2. a) With a neat diagram, explain the "speech chain" [8]  
b) Discuss the effect of cultural and linguistic diversity on communication [8]
- II**
3. a) Classify the consonants in any one Indian language based on manner of articulation. [8]  
b) i) Explain different types of vibrations [8]  
ii) Differentiate between periodic vs aperiodic vibration
- OR**
4. a) Describe the neurological bases of speech-language [8]  
b) With the help of a neat labelled diagram, discuss active and passive articulators [8]
- III**
5. a) What are the components of sound? Explain them. [8]  
b) Differentiate between absolute and relative measures of intensity [8]
6. a) Write a note on RETSPL & HL [8]  
b) Calculate dB IL for sound power  $10^{-4}$  watts/m<sup>2</sup> and  $10^{-9}$  watts/m<sup>2</sup> [8]
- IV**
7. a) What are phons and sones? Explain. [8]  
b) Describe the different methods of obtaining thresholds of hearing. [8]
- OR**
8. a) Write a short note on MAP and MAF. [8]  
b) Explain the Fletcher and Munson curves with a neat figure. [8]
- V**
9. a) Explain the professional roles and responsibilities of a speech-language pathologist. [8]  
b) Describe the different branches of audiology. [8]
- OR**
10. a) Explain the need for interdisciplinary practice in the field of speech and hearing with suitable examples. [8]  
b) How did the field of audiology develop in the Indian and global context [8]

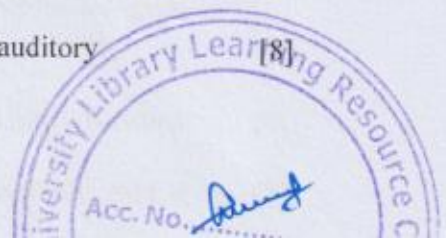
First Year Semester-I April 2022 Examination

**Max Marks: 80**

**QP Code: S1020**

*Draw neat labelled diagrams wherever necessary*

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Time: 3 Hrs

Max Marks: 80

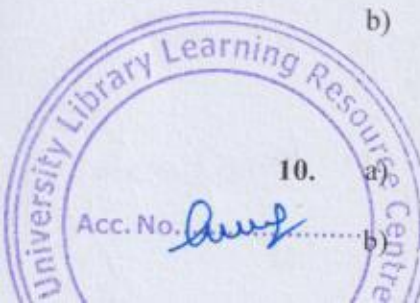
**Clinical Psychology**

**QP Code: S1030**

*Your answers should be specific to the question asked*

*Draw neat labelled diagrams wherever necessary*

- I** 1. a) What aspects of clinical psychology should a speech and hearing professional study and why? [8]  
b) Describe psychological models of mental disorders [8]  
**OR**
2. a) What are the fields of psychology and clinical psychology? Describe any two schools of psychology [8]  
b) Define normality and abnormality? Explain the concept and criteria to determine normality and abnormality. [8]
- II** 3. a) Discuss, in detail, on the need for classificatory systems. [8]  
b) What are the different steps involved in the estimation of reliability in case history taking? [8]  
**OR**
4. a) Define psychological testing. Discuss any two types of psychological assessment. [8]  
b) Which are the steps involved in behaviour assessment? Explain each of them. [8]
- III** 5. a) What is intelligence? Trace intellectual growth and development from birth to old age. [8]  
b) Discuss the characteristics of social behaviour in infants and preschool-going children? [8]  
**OR**
6. a) What is the relevance of Piaget's cognitive development model in understanding language acquisition? [8]  
b) Discuss the characteristics and development of emotional behaviours in human beings. [8]
- IV** 7. a) What is acquisition in classical conditioning? Describe and explain it. [8]  
b) Classify and explain different theories of learning. Can these theories suitably explain development of human behaviour? [8]  
**OR**
8. a) What is Skinner's operant conditioning? Discuss its possible applications in speech pathology. [8]  
b) What are the principles of classical conditioning? Who proposed it? What is the basis of classical conditioning? [8]
- V** 9. a) What is the focus of the field of neuropsychology? Write a note on its application in speech-language pathology? [8]  
b) What do you understand by the term 'neuropsychological rehabilitation'? What are the similarities between neuropsychological rehabilitation and speech-language rehabilitation? [8]  
**OR**
10. a) Define counselling. What are the differences and similarities between guidance, counselling and psychotherapy? [8]  
b) Discuss the principles and process of directive counselling. Add a note on its application. [8]



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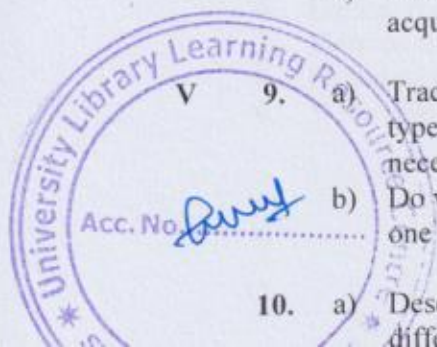
Linguistics and Phonetics

QP Code:S1040

*Your answers should be specific to the question asked*

*Draw neat labelled diagrams wherever necessary*

- I 1. a) Define the terms Langue and Parole. How are they different from the notions of competence and performance? [8]  
b) Discuss the functions of language. Would they be the same in animal communication also? [8]
- (OR)
2. a) Explain, with illustration, endocentric and exocentric constructions. [8]  
b) Based on your observation in clinics, how is applied linguistics relevant to the field of Speech-Language Pathology? Give examples in support of your answer. [8]
- II 3. a) Describe the structures of articulation. Add a note on place of articulation for consonant sounds. [10]  
b) Define and describe affricates as a special case of consonants. Which are the affricate consonants in your language? [6]
- (OR)
4. a) Describe vowel length. What are short and long vowels. Give examples from your language. [8]  
b) Briefly describe the distinctive feature theory [8]
- III 5. a) Describe, in detail, the usefulness of morphemic and syntactic analysis in speech-language pathology. [8]  
b) Describe phrase structure grammar as a method of syntactic analysis. [8]
- (OR)
6. a) Elaborate on 'Immediate Constituent Analysis' as a method of syntactic analysis. [8]  
b) Explain endocentric and exocentric constructions with the help of suitable examples. [8]
- IV 7. a) Trace morpho-syntax acquisition in developing children. [10]  
b) Write a brief note on information processing theory of language. [6]
- (OR)
8. a) What is pragmatics in language? Discuss pragmatic development of language in children. [8]  
b) Write a note on Innateness hypothesis pertaining to language acquisition. [8]
- V 9. a) Trace the historical development of writing systems. What are the types of modern writing systems? Give examples wherever necessary. [10]  
b) Do we have different writing systems in India? Discuss, in detail, any one type of Indian writing systems. [8]
- (OR)
10. a) Describe the linguistic diversity in India with reference to the different language families and the languages spoken. [8]



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**Bachelor in Audiology & Speech-language Pathology**  
**First Year Semester-I April 2022 Examination**

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**

**1 x 10 = 10 marks**

1. With a neat diagram, explain the "speech chain".

**Short essay**

**3 x 5 = 15 marks**

2. Describe the development of fluency in a typically developing child.
3. What are the different causes of speech & language disorders?
4. What are the speech characteristics seen in children with hearing impairment?

**Short answer**

**5 x 3 = 15 marks**

5. What is critical age? Explain its significance.
6. Briefly explain the development of speech sounds from birth to 1 year.
7. Briefly explain the history of speech-language pathology.
8. Explain the roles and responsibilities of a speech-language pathologist.
9. What is interdisciplinary practice? List the team members who are involved in the assessment and management of cleft lip and palate.

**Section – B**

**Communication Sciences: Audiology (40 Marks)**

**QP Code: S1286**

**Long essay**

**1 x 10 = 10 marks**

1. With a neat diagram, describe the Fletcher and Munson curves.

**Short essay**

**3 x 5 = 15 marks**

2. Write a note on missing 6 dB.
3. Describe the development of the field of audiology in the global context
4. Describe SL, MCL and UCL.

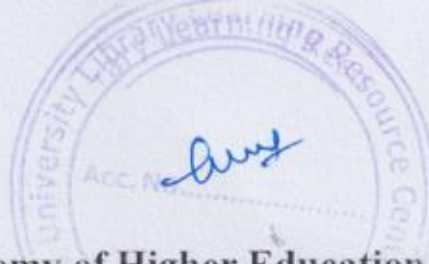
**Short answer**

**5 x 3 = 15 marks**

5. Define frequency and intensity.
6. Define: i) dBSL ii) dBHL
7. Mention the different methods of threshold estimation
8. Calculate dB IL for sound power  $10^{-9}$  watts/m<sup>2</sup>
9. Write a note on scope of practice in the field of audiology

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**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 the development of larynx and respiratory structures.

**Short essay**

**3 x 5 = 15 marks**

2. Describe the anatomy of respiratory system in brief.
3. Describe the structures of resonatory system.
4. Describe the mechanism of phonation.

**Short answer**

**5 x 3 = 15 marks**

5. List out the functions of larynx.
6. Describe the role of palate in speech production.
7. List out the structures involved in swallowing.
8. Describe the role of oral cavity in swallowing mechanism.
9. Briefly explain the functions of pharynx.

**Section – B**

**Anatomy and Physiology of Hearing (40 Marks)**

**QP Code: S1296**

**Long essay**

**1 x 10 = 10 marks**

1. Discuss the functioning of pinna

**Short essay**

**3 x 5 = 15 marks**

2. What structures are seen on the medial wall of the middle ear cavity? Explain with the help of a neat diagram.
3. Describe the structure of the Eustachian tube
4. Explain the role of hair cells in hearing

**Short answer**

**5 x 3 = 15 marks**

5. Which are the different embryonic phases of the external ear?
6. What is fertilization? Enumerate the different stages of fertilization.
7. Define cochlear microphonics, summating potential and nerve action potential.
8. Draw neat diagram of outer hair cells and label the different components
9. Mention any 6 examples of embryonic anomalies affecting the auditory system

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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 Elucidate the different schools and the current perspectives of Psychology
- 2 Briefly explain the different steps involved in case history taking

**Short Essays**

**6 X 5 = 30 marks**

- 3 Briefly explain the psychological models of mental disorders
- 4 Define clinical interview. Enumerate different types of clinical interview based on the process or purpose.
- 5 Write an essay on ICD & DSM
- 6 Enumerate any five principles of development
- 7 Describe the basic principles of classical learning
- 8 What is the meaning of directive counselling? Write a note on the different types of directive counselling.

**Short Answers**

**10 X 3 = 30 marks**

- 9 Explain any three criteria for normality & abnormality
- 10 Bring out the differences between growth, development and maturity. Give examples.
- 11 As speech and hearing clinicians, why do we need to study motor development?
- 12 Write briefly on the social response of infants & preschool children
- 13 Discuss the theory of cerebral conditioning
- 14 Describe the principles of aversion therapy based on classical conditioning
- 15 Describe the principles of response class based on operant conditioning
- 16 Write a short essay on Premack's principle
- 17 Enumerate the steps involved in non-directive counselling
- 18 Write on cell regeneration theory of neurophysiology

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**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. Describe language diversity in the world in the context of language families. Identify which of these are spoken in India.
2. Trace the stages and milestones involved in the acquisition of morphology and syntax.

**Short Essays**

**6 X 5 = 30 Marks**

3. Outline the distinctive feature theory of phonology. Discuss its role as a method of phonological analysis.
4. Describe the main principles of the theory involving Immediate Constituent Analysis in Syntax.
5. Compare and contrast the Saussurean and Chomskian notions of Langue & Parole and competence & performance.
6. Briefly outline the history of writing systems and how it influenced the development of modern Indian writing systems.
7. Enumerate the various phonological processes known to you and describe each one briefly.
8. Outline the branches of Linguistics which are significant to the study of communication disorders.

**Short Answers**

**10 X 3 = 30 Marks**

9. Discuss any three characteristics of human language.
10. With the help of a suitable example, justify how human language is different from other animal communication systems.
11. Describe the main premises and principles of behavioural theory of language development.
12. Explain tone & intonation as supra-segmental features.
13. Briefly justify the importance of transcription in phonetics.
14. Illustrate the classification of morpheme into its types.
15. Describe the sub-system of language associated with meaning.
16. Define communicative competence.
17. What is metaphonology and metalanguage?
18. Define the consonant sounds known as trills and taps/flaps.

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