

**6435 – IS BASLP (N) – N – 19**

FIRST SEMESTER B.A.S.L.P. DEGREE EXAMINATION, NOVEMBER 2019

(New)

**COMMUNICATION SCIENCE**

**(Speech and Hearing)**

Time : 2 Hours]

[Max. Marks : 25

*All questions are Compulsory.*

**Part B**

- |      |    |   |     |
|------|----|---|-----|
| I.   | 1. | Explain the characteristics and application of decibels.  | 10  |
|      |    | Or  |     |
|      | 2. | Write short notes on :  |     |
|      | a) | Bel and Decibel   | 2.5 |
|      | b) | SPL and SL  | 2.5 |
|      | c) | Characteristics of dB   | 5   |
| II.  | 3. | What is minimum audible level? Explain the updown and staircase procedure of estimating minimum audible levels. | 10  |
|      |    | Or  |     |
|      | 4. | Describe the following :  |     |
|      | a) | MCL   | 2.5 |
|      | b) | Threshold of Pain.  | 2.5 |
|      | c) | MAP and MAF   | 5   |
| III. | 5. | Explain the various branches of Audiology with the significance of each.  | 5   |
|      |    | Or  |     |
|      | 6. | Delineate the major milestones in the development of Audiology in India.  | 5   |
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**COMMUNICATION SCIENCE**

Time : 2 Hours]

[Max. Marks : 25

*All questions are Compulsory.*

**Part A**

- I. 1. Explain the factors affecting speech and language development in detail. 10
- Or
2. Explain Acoustic properties of consonants. 10
- II. 3. a) Discuss the social basis of speech. 10
- b) Write short notes on Vocal tract. 5
- Or
4. a) Define communication. Describe various functions of communication. 10
- b) Explain Speech chain. 5

[P.T.O.]

6436 – IS BASLP (N) – N – 19

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(New)

ANATOMY AND PHYSIOLOGY OF SPEECH AND HEARING

Time : 2 Hours]

[Max. Marks : 50

*All diagrams should be neat and compulsorily labelled.*

*Students are not allowed to combine the questions between the 2 options.*

*Handwriting should be neat and legible.*

*Answer the following accordingly.*

- I. a) Describe the posterior wall of the middle ear cavity along with a neat labelled diagram. 4+2
- b) Brief about the nerve supply of the Pinna. 4
- Or
- a) Mention the mechanisms of conduction of sound from middle ear to inner ear. 2
- b) Brief about impedance matching. 5
- c) What are the advantages of Attenuation reflex. 3
2. a) What is epithelial tissue? Classify the same based on shape and arrangement with neat labelled diagram. 1+6
- b) What are the functions of blood? 3
- Or
- a) Draw a neat labelled diagram of Neuromuscular junction and write the steps responsible for production of action potential. 2+4
- b) Classify muscular tissue and mention at least one location of each type. What is the resting membrane potential of somatic cell? 3+1
3. a) Explain development of tongue with neat labelled diagram. 4+2
- b) Describe the nerve supply of tongue. 4
- Or
- a) What are pharyngeal arches? Elaborate each with examples of components. 1+5
- b) Brief any 4 Congenital anomalies of the ear. 4
4. a) Draw a neat labelled diagram of anterior view of Larynx. Brief about Arytenoid cartilage. 4+3
- b) Describe Inspiration in speech breathing. 3
- Or

[P.T.O.]

- a) Describe the constrictions of Oesophagus. Define deglutation. 3+1
- b) Explain the oral phase of deglutation reflex. 6
5. a) Draw a neat labelled diagram of the Organ of Corti. 6
- b) Differentiate the inner ear fluids. 4
- Or
- a) Explain the "Place theory" of hearing. 6
- b) How are the hair cells stimulated on vibration of basilar membrane. 4
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## 6437 – IS BASLP (N) – N – 19

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(New)

### CLINICAL PSYCHOLOGY

Time : 2 Hours]

[Max. Marks : 50

*Answer any one from each group.*

*Each question carries ten marks.*

(Marks :  $5 \times 10 = 50$ )

- A. 1. Define clinical psychology and discuss the role of clinical psychology in speech and hearing. 10  
2. Critically evaluate the concept of normality and abnormality. 10
- B. 3. Discuss any one method of clinical psychology with its merits and demerits.  
4. Describe in short with examples how cognitive functions are assessed. 10
- C. 5. Define developmental psychology and critically evaluate the meaning of growth, development and maturation.  
6. Examine Piaget's theory of cognitive development. 10
- D. 7. Evaluate the meaning of 'Learning' with definitions and discuss any two theories of Learning in short.  
8. Discuss Pavlov's classical conditioning experiment. 10
- E. 9. Define counselling and discuss the characteristics of good counsellor.  
10. Write short notes on any **two** of the following:  $2 \times 5 = 10$
- a) Neuropsychology
  - b) DSM/ICD
  - c) Stages of motor development
  - d) Personality test.
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**6438 – IS BASLP (N) – N – 19**

FIRST SEMESTER B.A.S.L.P. DEGREE EXAMINATION, NOVEMBER 2019

(New)

**LINGUISTICS AND PHONETICS**

**Paper 1.4**

Time : 2 Hours]

[Max. Marks : 50

*Answer all questions.*

- I. 1. a) How linguistics is related to social sciences? Explain. 04  
b) What is L1 and L2? Explain. 06
- Or
- a) What is the scope of Linguistics? Explain. 04  
b) What are grammatical categories? Explain with suitable examples. 06
- Or
2. What are the characteristics of non-human commutation? 10
- II. 3. Explain the following: 5 × 2 = 10
- a) Affixation  
b) Exocentric Construction  
c) Endocentric Construction  
d) Phoneme  
e) Vowels.
- Or
4. State and explain the 1<sup>st</sup> and 2<sup>nd</sup> principles of identification of Morpheme as laid down by NIDA with suitable examples. 10
- III. 5. What are the causes of Sound Change? 10
- Or
6. What are Morpheme and Phoneme? Explain with suitable examples.
- IV. 7. What is Applied Linguistics? Explain. 10
- Or
8. State and explain with suitable examples laterals, trills, semivowels, flaps and affricates.
- V. 9. State and explain different types of morpheme. 10
- Or
10. Write short notes on: 2 × 5 = 10
- a) Language family  
b) Isogloss, Diglossia and Pidgin.

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### ELECTRONICS AND ACOUSTICS

Time : 2 Hours]

[Max. Marks : 50

- I. 1. Draw a block diagram and explain DC power supply. 5  
2. Draw a block diagram and explain SMPS. 5  
Or  
3. Write a note on passive electronic components. 5  
4. Describe the working of field effect transistor (FET). 5
- II. 5. Explain the physical parameters of sound. 5  
6. Write a note on reflection and absorption of sound. 5  
Or  
7. Draw a diagram of waveform and spectrum of pure tone and a complex tone. 6  
8. What is reverberation? How to measure reverberation time? Mention the application of RT. 4
- III. 9. Write a note on absorption coefficient and Sabine's law. 5  
10. Draw a diagram and explain the functioning of moving coil loudspeaker. 5  
Or  
11. Write an essay on memory devices used in computers. 6  
12. Write a note on audiometric room construction. 4
- IV. 13. Write a note on analogue to digital converters. 6  
14. Explain time domain methods of speech processing. 4  
Or  
15. Application of digital signal processing in the field of speech and hearing. 10
- V. 16. Draw a block diagram and explain the functioning of an audiometer. 10  
Or  
17. Write a note on Electrodes. 5  
18. Write a note on artificial larynx. 5
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**6440 – IS BASLP (N) – N – 19**

FIRST SEMESTER B.A.S.L.P. DEGREE EXAMINATION, NOVEMBER 2019

(New)

**INDIAN CONSTITUTION**

Time : 3 Hours]

[Max. Marks : 80

*Answer any 5 questions.*

*Answers should be substantiated by case law wherever necessary.*

*All questions carry equal marks.*

(Marks: 5 × 16 = 80)

1. Explain the Right to Freedom guaranteed by Constitution of India with limitation.
  2. Illustrate the nature of Directive Principles of State Policy.
  3. a) Explain the making of Indian Constitution.  
b) What is Preamble? Define Preamble of Constitution.
  4. a) Discuss the difference between fundamental rights and DPSP.  
b) Define Fundamental Rights.
  5. a) Critically examine the relation between Union and States.  
b) Discuss the essential characteristics of Federal Constitution.
  6. a) Discuss any ten salient features of the Indian Constitution.  
b) Define citizenship with decided case law.
  7. a) Discuss Right against Exploitation under Art 23 and Art 24 with decided cases.  
b) Explain five writs in Constitution under Art 32 of the Constitution.
  8. a) Define implementation of DPSP.  
b) Discuss the powers and functions of Parliament.
  9. a) Define fundamental duties of citizens of India under Part IV-A of the Constitution.  
b) What is the role of Constituent Assembly in Indian Constitution (Any two).
  10. a) Explain the procedure for Amendment of Constitution.  
b) Define the significance of Indian Constitution.
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