

2416 – A01 – ISBASLP – N – 16



FIRST SEMESTER B.A.S.L.P. DEGREE EXAMINATION, NOVEMBER 2016
SPEECH AND HEARING (BASLP)
Introduction to Speech and Language Pathology

Time : 2 Hours]

[Max. Marks : 50

Instruction : Answer all questions.

- I. 1) Explain "speech as an overlaid function". 10
OR
2) Write short notes on : (5×2=10)
i) Components of speech ii) Components of language.
- II. 3) Describe in detail classification of consonants. 10
OR
4) With a neat diagram describe the various active and passive articulators and their functions. 10
- III. 5) Describe the development of voice in normals. 10
OR
6) Describe the development of articulation in typically developing children. 10
- IV. 7) a) What is the incidence and prevalence of speech and language disorders in India. 5
b) Describe the various types of misarticulation with suitable examples. 5
OR
8) Explain the causes of speech disorders. 10
- V. 9) Describe the characteristics of the following disorders. (5×2=10)
a) Stuttering b) Autism.
- OR
10) What are the different ways of classifying mental retardation ? 10
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FIRST SEMESTER B.A.S.L.P. DEGREE EXAMINATION, NOVEMBER 2016

SPEECH AND HEARING (BASLP)

Introduction to Audiology

Time: 2 Hours]

[Max. Marks: 50

Instruction : Answer *all* questions.

- I. 1) Do you think that different case history forms for adults and children are required ? Justify your answer with suitable examples. **10**

OR

- 2) What are the developments in Audiology in India over the past three decades ? **10**

- II. 3) Compare and contrast. **(5+5)**

a) MAP and MAF.

b) Hearing level and Sensation level.

OR

- 4) What is threshold of audibility ? What is its clinical importance ? **10**

- III. 5) Answer the following : **(5+5)**

a) What are equal loudness contours ?

b) What is the difference between JND for frequency and intensity ?

OR

- 6) What are Phons and Sones ? Explain the relationship between the two. **10**

[P.T.O.]



IV. 7) What are the causes of SNHL in children ? 10

OR

8) List out the general characteristics of conductive hearing loss. 10

V. 9) Explain the procedure to carry out audiometric Bing and Weber test with its clinical applications. 10

OR

10) Write short notes on : (5+5)

- a) Rinne test.
- b) Schwabach test.

2418 – A03 – IS BASLP – N – 16



FIRST SEMESTER B.A.S.L.P. DEGREE EXAMINATION,
NOVEMBER 2016

SPEECH AND HEARING (BASLP)

Anatomy, Physiology and Pathology of Speech and Hearing

Time : 2 Hours]

[Max. Marks : 50

- Instructions :** 1) Answer *all* the questions.
2) Provide diagrams *wherever* necessary.

PART – A (20 Marks)

(Anatomy of Speech and Hearing)

1. a) Describe the normal anatomical position and explain various terms and planes used in Anatomical vocabulary. 10
OR
b) Draw and explain the boundaries and contents of middle ear, add a note on auditory canal. 10
2. Short notes (**any two**) : (2×5=10)
 - a) Organ of Corti.
 - b) External auditory canal.
 - c) Muscles and joints of Larynx.
 - d) Auditory pathway.

PART – B (15 Marks)

(Physiology)

1. Describe the hearing mechanism in brief. 10
OR
2. Name the organs of respiratory, phonatory and articulatory system. Add a note on mechanism of speech. 10

[P.T.O.]



3. Short notes (**any two**) : **(2½x2=5)**
- a) Tuning fork tests.
 - b) Functions of tongue.
 - c) Action potential.
 - d) Auditory cortex.

PART – C (15 Marks)

(Pathology)

1. Define and enumerate signs of Inflammation. Write briefly about Acute Inflammation. **10**

OR

2. a) Difference between benign and malignant tumors. **(2x5=10)**
b) Vit. A deficiency diseases.
3. Short notes (**any two**) : **(2x2½=5)**
- a) Hypertrophy.
 - b) Anomalies of Larynx.
 - c) Factors influencing healing.
 - d) The normal cell.
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FIRST SEMESTER B.A.S.L.P. DEGREE EXAMINATION, NOVEMBER 2016

SPEECH AND HEARING

Biomedical Instrumentation and Acoustics

Time : 2 Hours]

[Max. Marks : 50

Instruction : Answer all questions.

- I. 1) a) Explain the working of Half Wave Rectifier. 5
b) Explain with figure, seven segment LED. 5
- OR
- 2) a) Explain the working of UPS. 5
b) Explain briefly the characteristics of a signal. 5
- II. 3) a) Define reverberation time. Explain with formula. 5
b) Explain the construction and working of loud speaker. 5
- OR
- 4) a) Discuss the advantages of optical recording over magnetic recording. 4
b) State and explain Sabine's formula. 2
c) Explain the role of a loudspeaker enclosure. 4
- III. 5) a) Convert the following hexadecimal numbers to binary and then decimal. 4
i) FE ii) 70
b) Explain with truth table 3 bit digital counter. 6
- OR
- 6) a) With a block diagram, explain the working of a computer. 6
b) State difference between RAM and ROM. 4

[P.T.O.]



IV.7) a) Explain the working of an immittance meter. 8

b) List the names of few sinusoidal oscillators. 2

OR

8) a) Which class of output power amplifier is most suited for hearing aids? Give reasons. 6

b) Explain working of a class D output amplifier. 4

V. 9) a) With a neat sketch, explain how digital to analog conversion is achieved? 7

b) Explain the role of A to D and D to A converters in digital hearing aids. 3

OR

10) a) Write a short notes on FIR Filter. 5

b) List major applications of digital signal processing in field of speech. 5



FIRST SEMESTER B.A.S.L.P. DEGREE EXAMINATION, NOVEMBER 2016
SPEECH AND HEARING (BASLP)
Linguistics, Phonetics and Language Sciences

Time : 2 Hours]

[Max. Marks : 50

Instruction : Answer *all* questions.

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|--|----|
| I. 1) a) Is linguistics a science ? Explain. | 5 |
| b) Differentiate between human and non-human language. | 5 |
| OR | |
| 2) a) Is language a system ? How ? | 5 |
| b) Differentiate between native and foreign language. | 5 |
| II. 3) a) What is mother tongue and first language ? | 5 |
| b) What are vowels and consonants ? | 5 |
| OR | |
| 4) What are the different types of morphemes ? Explain with suitable examples. | 10 |
| III. 5) a) What is auditory phonetics and acoustic phonetics ? Explain. | 5 |
| b) Explain what are stops, fricatives and affricates. | 5 |
| OR | |
| 6) a) What is labialization, retroflexion, palatalization and nasalization ? | 6 |
| b) What are rounded vowels and unrounded vowels ? | 4 |
| IV. 7) a) What is phoneme ? Explain. | 6 |
| b) Differentiate between constructive and complementary distributions. | 4 |
| OR | |
| 8) Explain principles of morphemes 4 th , 5 th and 6 th as laid down by Nida. | 10 |
| V. 9) Explain what is syntactic linkage. | 10 |
| OR | |
| 10) a) What is construction ? Explain. | 5 |
| b) Name and explain language families. | 5 |



FIRST SEMESTER B.A.S.L.P. DEGREE EXAMINATION,
NOVEMBER 2016

SPEECH AND HEARING

Psychology Related to Speech and Hearing

Time : 2 Hours]

[Max. Marks : 50

Instruction : Answer all questions.

- I. 1) Trace the modern history of clinical psychology and state its current status and scope. 10
OR
- 2) a) What is normality and abnormality ? Define. 4
b) Describe social models of mental disorders. 6
- II. 3) Explain the methodology involved in clinical psychology. 10
OR
- 4) Explain the DSM and ICD classification of abnormal behaviour. 10
- III. 5) Explain the stages in motor development. 10
OR
- 6) a) Describe in brief Piaget's theory of cognitive development. 5
b) How cognitive functions can be assessed ? Explain. 5
- IV. 7) Define learning and explain different types of learning. 10
OR
- 8) a) What is classical conditioning ? Explain. 5
b) Explain the role of operant conditioning in learning. 5

[P.T.O.]



V. 9) Explain biological and neurochemical correlates of learning. **10**

OR

10) Write short notes on **any two** of the following : **(2×5=10)**

- a) Models of mental disorders.
- b) Psychological assessment.
- c) Development of emotions.
- d) Learning curves.
- e) Reinforcement in learning.



FIRST SEMESTER B.A.S.L.P. DEGREE EXAMINATION, NOVEMBER 2016
SPEECH AND HEARING (BASLP)
Indian Constitution

Time: 3 Hours]

[Max. Marks: 80

Instructions : 1) Answer any 5 questions.

2) Answers should be substantiated by the case laws
wherever necessary.

3) **All** questions carry **equal** marks. (16 marks)

1. What is the significance of the Constitution of India ? Explain the role of Constituent Assembly.
2. What are the salient features of Constitution ? Define citizenship with decided cases.
3. a) Define Preamble of the Indian Constitution.
b) What is the procedure for Amendment of the Constitution ?
4. a) Discuss Right to Equality under Art. 14 and Art. 15 with decided cases.
b) Discuss six freedoms under Art. 19 of Constitution.
5. a) Discuss Right Against Exploitation under Art. 23 and Art. 24 with decided cases.
b) Explain what are the causes for Child Labour and what are the measures to come back ?
6. a) Discuss the five writs of the Constitution under Art. 32 of Indian Constitution.
b) Define Public Interest Litigation (PIL) with supporting case laws.

[P.T.O.]



7. a) Discuss difference between Fundamental Rights and Directive Principles of State Policy.
b) Define Fundamental Duties of India under Art. 51-A, Part IV-A of the Constitution.
 8. a) Explain nature of Directive Principles of State Policy (DPSP).
b) Define implementation of DPSP.
 9. a) Discuss powers and functions of Prime Minister.
b) Explain Independence of Judiciary with decided cases.
 10. a) Discuss relation between Union and States.
b) Explain powers and functions of Chief Minister.
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