

**3914-IISBASLP-M-17**

B.A.S.L.P. DEGREE EXAMINATION MAY 2017.

Second Semester

**SPEECH AND HEARING**

**SPEECH DIAGNOSTICS AND THERAPEUTICS**

Time : Two hours

Maximum : 50 marks

All questions carry **equal** marks.

1. Define the following : (4 × 2½ = 10)
- (a) Diagnosis
  - (b) Differential diagnosis
  - (c) Assessment
  - (d) Provisional diagnosis

Or

2. List the essential factors to be included in the case history for children. (10)
3. Explain any one model of diagnosis used in speech-language pathology. (10)

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4. Write notes on : (4 × 2½ = 10)
- (a) SLPM
  - (b) Team diagnosis
  - (c) Observation
  - (d) Provocative diagnosis

5. Write a note on ideal speech language therapy set-up. (10)

Or

6. Explain role of tests in the diagnosis and treatment of articulation disorders. (10)
7. Discuss the need for team approach in the diagnosis of delayed speech and language cases. (10)

Or

8. Discuss role of reinforcement in speech therapy. (10)

9. List the documents that are required to be maintained in a speech clinic with their importance. (10)

Or

10. Write notes on :

(4 × 2½ = 10)

- (a) Ethics in the clinic
  - (b) Group therapy
  - (c) Progressive approximation
  - (d) Role of tape recorder in therapy
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**3915-IISBASLP-M-17**

B.A.S.L.P. DEGREE EXAMINATION MAY 2017.

Second Semester

**SPEECH AND HEARING  
AUDIOLOGICAL EVALUATION**

Time : Two hours

Maximum : 50 marks

Answer **ALL** questions.

1. What is the rationale behind pure tone audiometry? What are the factors affecting pure tone audiometry? (10)  
Or
2. Define the procedure involved in Rainville & SAL test. (10)
3. Highlight ANSI specifications for audiometric calibration. (10)  
Or
4. How do you calibrate frequency and intensity of a transducer & audiometer? (10)
5. What are the use of artificial ear & artificial mastoid in calibration? (10)  
Or
6. What are transducers? What are the qualities of a good transducer?
7. Discuss the factors affecting interaural attenuation. (10)  
Or
8. Discuss one of the alternative approach for Ac masking. (10)
9. Write in detail about the procedure used for speech recognition test and speech identification test. (10)  
Or
10. Write short notes on any **TWO**.
  - (a) UCL & MCL
  - (b) PIPB Function
  - (c) PTA & SRT agreement & its clinical application. (2 × 5 = 10)

**3916-IISBASLP-M-17**

B.A.S.L.P. DEGREE EXAMINATION MAY 2017.

Second Semester

**SPEECH AND HEARING**

**GENETICS, PEDIATRICS AND EPIDEMIOLOGY IN SPEECH AND HEARING**

Time : Two hours

Maximum : 50 marks

Answer Part **A**, Part **B** and Part **C** in separate answer scripts.

**PART A - (5 × 4 = 20 marks)**

(GENETICS)

Answer any **FIVE** out of ten.

1. What is autosomal dominant inheritance? Give example with pedigree chart.
2. Write the process of meiosis with diagram. What is the significance of meiosis?
3. Give some disorders regarding chromosomal alterations.
4. Cloning DNA with direct and indirect method.
5. Write a note on stuttering.
6. Write short notes for
  - (a) Multiple alleles
  - (b) Co-dominant
  - (c) Intermediate inheritance
7. What is sporadic syndrome?
8. How is the genetic counseling useful in medical field?
9. How do we identify the clones containing the DNA of interest using colony hybridization technique?
10. Write a note on multifactorial syndromes.

**PART B - (3 × 5 = 15 marks)**

(PEDIATRICS)

Answer any **THREE** of the following.

11. Define Cerebral Palsy and explain its types.
12. Write about gene therapy.

13. Write short notes on "Kwashiorkor".
14. What are the water soluble vitamins? Write a note on Rickets.
15. Write short notes on Human genome mapping project and management of genetic disorder.

**PART C - (3 × 5 = 15 marks)**

(EPIDEMIOLOGY IN SPEECH AND HEARING)

Answer any **THREE** of the following.

16. What are the methods followed for epidemiological study? Describe any two methods in detail.
17. With a neat diagram, describe the epidemiological triad.
18. What are the merits and demerits of sample survey of epidemiological study of communication disorders?
19. Compare and contrast (5 × 1 = 5)
  - (a) Point prevalence Vs Periodic prevalence
  - (b) 'At risk' Vs 'established risk'
  - (c) Cross-sectional Vs longitudinal samples
  - (d) Descriptive Vs analytical epidemiology
  - (e) Clinical Vs field trial
20. (a) Differentiate between incidence and prevalence. (3)  
(b) Explain with hypothetical examples, the method of estimation of prevalence. (2)

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Second Semester

**SPEECH AND HEARING**

**NEUROLOGY**

Time : Two hours

Maximum : 50 marks

Answer **ALL** questions.

1. (a) Define synapse, its types, structure and role of action potential in synaptic transmission. (10)

Or

- (b) Write short notes on (2 × 5 = 10)  
(i) Circle of Willis  
(ii) Structure of a neuron

2. (a) Describe formation and circulation of cerebrospinal fluid. Add a note on hydrocephalus. (10)

Or

- (b) Write short notes on (2 × 5 = 10)  
(i) Spinal cord anatomy  
(ii) Syringomyelia

3. (a) Etiopathogenesis and clinical features and types of meningitis. (10)

Or

- (b) Write short notes on (2 × 5 = 10)  
(i) Subarachnoid Hemorrhage  
(ii) Multiple sclerosis.

4. (a) Write briefly about the cerebrovascular accidents. How to differentiate intracranial hemorrhage from infarct. (10)

Or

- (b) Write short notes on : (2 × 5 = 10)  
(i) Wernike's encephalopathy  
(ii) Parkinsonism

5. (a) Classification of brain tumors. Add a note on acoustic neuroma. (10)

Or

- (b) Write short notes on : (2 × 5 = 10)

- (i) Wilson's disease
  - (ii) Structure and function of a peripheral nerve
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**3918-IISBASLP-M-17**

B.A.S.L.P. DEGREE EXAMINATION MAY 2017.

Second Semester

**SPEECH AND HEARING**

**ENVIRONMENTAL STUDIES AND HUMAN RIGHTS**

Time : Three hours

Maximum : 80 marks

Answer Part **A**, and Part **B** in separate answer script.

**PART A**

(ENVIRONMENTAL STUDIES)

1. Answer any **FIVE** out of Seven : (5 × 2 = 10)
  - (a) Global Warming
  - (b) Noise pollution
  - (c) Endangered species of India
  - (d) Environmental protection act
  - (e) Food chains
  - (f) Abiotic resources
  - (g) Afforestation
  
2. Essay type question : (2 × 10 = 20)
  - (a) Concept of an ecosystem and types of ecosystem.
  - (b) Write a note on environmental pollution.
  
3. Answer any **TWO** short notes : (2 × 5 = 10)
  - (a) How is non-conventional source of energy useful for human beings?  
Comment.
  - (b) Write a note on water resources.
  - (c) Give an account on special projects for endangered species.



**PART B**

(HUMAN RIGHTS)

4. Answer any **FIVE** of the following : (5 × 2 = 10)
- (a) Which is the first Human Right declaration in history?
  - (b) Which constitutional provisions (articles) undertaken for children in India?
  - (c) Which is known as first generation right and second generation right?
  - (d) Who are the two famous proponents of social contract theory?
  - (e) Which are the two treaties of U.N. commission of HR?
  - (f) Who are the Judicial Members of National Human Rights Commission?
  - (g) What do you mean by autonomy to individual in H.R?
5. Explain organisation function and powers of National Human Rights Commission. (10)
6. Explain the functions of Human Rights in modern society. (10)
7. Answer any **TWO** of the following: (2 × 5 = 10)
- (a) Rights of woman
  - (b) Historical development of HR
  - (c) Civil and political rights.
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