Reg. No. | | | | | | | | | |

BAPSLC 366/360

VI Semester B.A.S.L.P. Degree Examination, April/May 2019

(Old Scheme – Credit Based Semester Scheme)

(2016-17 batch onwards/2015-16 and earlier batch)

Scientific Enquiry in Audiology and Speech Language Pathology

Time : 3 Hours] [Max. Marks : 100

UNIT – I

1. Discuss the status of scientific enquiry in Speech-Language Pathology and Audiology in India. **(20)**

Or

2. List out the reasons and discuss why Speech-Language Pathology and Audiology should be considered as a behavioural science. **(20)**

UNIT – II

3. Define a variable and list the different variables when performing diagnostic evaluation of speech, language, hearing and swallowing. **(20)**

Or

4. Enumerate the different measurement procedures in Speech-Language Pathology and Audiology. **(20)**

UNIT – III

5. Explain the different sampling methods that is used in the field of Speech-Language Pathology and Audiology. **(20)**

Or

6. Explain the application of various sampling methods with suitable hypothetical illustrations in speech, language, hearing and swallowing. **(20)**

UNIT – IV

7. Explain the importance of performing experimental studies in the assessment and rehabilitation of Speech and Hearing. **(20)**

Or

8. Explain the different applications of research methods and design to the clinical population and community. **(20)**

UNIT – V

9. What is ethics? Discuss the ethics of research in behavioural science. **(20)**

Or

10. Explain the different components of a good research report. **(20)**

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BAPSLC 364/358

VI Semester B.A.S.L.P. Degree Examination, April/May 2019

(Credit Based Semester Scheme)

(2016-17 batch onwards/2015-16 and earlier batch)

Noise Measurement and Hearing Conservation

Time : 3 Hours] [Max. Marks : 100

Instructions :

1. *Answer ALL questions.*
2. *All carry equal marks.*

UNIT – I

1. Write short notes on : **(4 × 5 = 20)**
   (a) Definition of Noise and Electrical Electronic way of explaining noise
   (b) Community and Traffic noise
   (c) Steady State Vs Non Steady State Noise
   (d) Effect of noise on work efficiency and performance

Or

2. Explain PTS and TTS. Make a comment on non auditory effects of noise. **(20)**

UNIT – II

3. Differentiate : **(2 × 10 = 20)**
   (a) NIHL Vs Presbycusis
   (b) Filtered Speech Test Vs Time Compressed Speech Test.

Or

4. (a) Write briefly on Audiological protocol and Audiogram pattern in NIHL. **(10)**
   (b) Write a note on social adequacy index and tests for susceptibility. **(10)**

UNIT – III

5. Describe Noise Measurement procedure for outdoor and Indoor Noises. **(20)**

Or

6. Write notes on : **(2 × 10 = 20)**

   (a) Microphones and its types

   (b) Frequency Weighting Networks.

UNIT – IV

7. Discuss the need and steps for Hearing Conservation Programme. **(20)**

Or

8. Write a note on evaluation of Attenuation characteristics of EPDS. **(20)**

UNIT – V

9. Write notes on : **(2 × 10 = 20)**

   (a) Walsh – Healey Act

   (b) OSHA

Or

10. Briefly explain : **(2 × 10 = 20)**

    (a) DRC

    (b) CHABA

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BAPSLC 363/357

VI Semester B.A.S.L.P. Degree Examination, April/May 2019

(Credit Based Semester Scheme)

(2016-17 batch onwards/2015-16 and earlier batches)

Neurogenic Language Disorders in Adults

Time : 3 Hours] [Max. Marks : 100

Instructions :

1. *Answer ALL questions.*
2. *All carry equal marks.*

UNIT – I

1. (a) "Language is controlled by CNS", Explain. **(2 × 10 = 20)**

   (b) Write a note on : Neuro chemical correlates or language function.

Or

2. Write a note on Regression Hypothesis and Mention its importance in therapy for Aphasic. **(20)**

UNIT – II

3. (a) Write a note on circle of Willis. **(2 × 10 = 20)**

   (b) Explain Psycholinguistic classification of Aphasia.

Or

4. Enumerate the Neurobehavioral and Psychosocial features of Fluent Aphasias. **(20)**

UNIT – III

5. Write short notes on : **(4 × 5 = 20)**

   (a) Electro Encephalograms

   (b) F-MRI

   (c) PET Scan

   (d) CAT Scan

Or

6. What is Cranial Nerve Examination? Write its importance in Aphasia Assessment. **(20)**

UNIT – IV

7. (a) Write a note on Aphasia in Sign Language users. **(2 × 10 = 20)**

   (b) Assessment and Management of Metabolic Disorders.

Or

8. Define Schizophasia and write the Etiology, clinical features Assessment and Management. **(20)**

UNIT – V

9. Explain the role of family member in implementing AAC for Aphasic Patient. **(20)**

Or

10. Write a note on : **(2 × 10 = 20)**

    (a) HELPSS

    (b) Schuell's Auditory Stimulation.

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BAPSLC 264

IV Semester B.A.S.L.P. Degree Examination, April/May 2019

(Credit Based Semester Scheme)

(2017-18 and earlier batches)

Motor Speech Disorders in Children

Time : 3 Hours] [Max. Marks : 100

UNIT – I

1. Describe the disorders of a motor unit with a neat diagram and their clinical features. **(20)**

Or

2. Explain briefly Thalamus and Basal ganglia with neat diagram. **(20)**

UNIT – II

3. Describe the speech and language problems of children with cerebral palsy. **(20)**

Or

4. What techniques would you employ to improve speech in children with cerebral palsy? Explain. **(20)**

UNIT – III

5. Explain different types of cerebral palsy with disorders of muscle tone. **(20)**

Or

6. Explain briefly Guillian – Barre syndrome and Juvenile progressive bulbar palsy. **(20)**

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BSPLPC 272

IV Semester B.A.S.L.P. Degree Examination, April/May 2019

(Credit Based Semester Scheme)

(2018-19 batch onwards)

Implantable Hearing Devices

Time : 2 Hours] [Max. Marks : 50

UNIT – I

1. Explain the need for different implantable hearing devices. **(10)**

Or

2. Explain the candidacy for different implantable hearing devices. **(10)**

UNIT – II

3. Draw a neat diagram of BAHA and explain each component in detail. **(10)**

Or

4. (a) Explain the surgical approaches of middle ear implant. **(5)**

   (b) Write a note on risks and complications associated with middle ear implant. **(5)**

UNIT – III

5. Draw a neat diagram of cochlear implant. Explain each component and working principle in detail. **(10)**

Or

6. (a) What are the audiological and non-audiological candidacy criteria for brain stem implant? **(5)**

   (b) Explain the contraindications of cochlear implant. **(5)**

UNIT – IV

7. Explain the signal coding strategies used in brain stem implant. **(10)**

Or

8. Explain the pre and post surgical objective measures used to assess the success of cochlear implant. **(10)**

UNIT – V

9. Explain the factors affecting outcome of implantable devices in adults and children. **(10)**

Or

10. Explain the trouble shooting of BAHA and Cochlear implant. **(10)**

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BSPLPC 271

IV Semester B.A.S.L.P. Degree Examination, April/May 2019

(Revised Scheme – Credit Based Semester Scheme)

(2018-19 batch onwards)

Diagnostic Audiology Physiological Test

Time : 2 Hours] [Max. Marks : 50

Instructions : *Answer any ONE question under each Unit.*

UNIT – I

1. Write an essay on principle of immittance evaluation. **(10)**

Or

2. Explain multi component and multi frequency tympanometry. **(10)**

UNIT – II

3. Explain about the role of ABR in infant hearing screening. **(10)**

Or

4. Write an essay on :

   (a) Protocols and procedure of Recording ABR **(5)**

   (b) Principles of AEP Recording Techniques **(5)**

UNIT – III

5. Write an essay on P 300, Mismatch negativity and its clinical applications. **(10)**

Or

6. Explain E Coch G and its clinical applications. **(10)**

UNIT – IV

7. Explain types of OAES. Write a comment on interpretation of results in SOAE, TEOAE and DPOAG. **(10)**

Or

8. Write a note on contralateral suppression of OAEs and its implications. **(10)**

UNIT – V

9. Write an essay on :

   (a) Videonystagmography **(5)**

   (b) Videoocculograph. **(5)**

Or

10. Write an essay on vestibular evoked myogenic potentials. **(10)**

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BAPSLC 265

IV Semester B.A.S.L.P. Degree Examination, April/May 2019

(Old Scheme – Credit Based Semester Scheme)

(2017-18 and earlier batch)

Part II — Diagnostic Audiology

Time : 3 Hours] [Max. Marks : 100

Instructions : *Answer any one question under each Unit.*

UNIT – I

1. Define Tympanometry. Explain the principle of immittance Audiometry. **(20)**

Or

2. Comment on instrumentation and clinical application of immittance audiometry. **(20)**

UNIT – II

3. Explain Interpretation of results and clinical application of ABR. **(20)**

Or

4. Write an essay on factors affecting auditory brainstem responses. **(20)**

UNIT – III

5. Discuss the test procedure and clinical application of middle latency auditory evoked potentials. **(20)**

Or

6. Explain the clinical application and interpretation of results in Long Latency Responses. **(20)**

UNIT – IV

7. Explain OTO acoustic emissions with a neat diagram and comment on various factors affecting the interpretation of results. **(20)**

Or

8. Write an essay on various types of OAEs with its clinical applications. **(20)**

UNIT – V

9. Write short note on : **(4 × 5 = 20)**

   (a) VEMP

   (b) EMG

   (c) Glycerol Test

   (d) Electronystagmography

Or

10. Explain Electronystagmography, its clinical applications and findings in pediatric population. **(20)**

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BSPLPC 269

IV Semester B.A.S.L.P. Degree Examination, April/May 2019

(Credit Based Semester Scheme)

(2018-19 batch onwards)

Motor Speech Disorders in Children

Time : 2 Hours] [Max. Marks : 50

UNIT – I

1. What are the consequences of lesions of the extra pyramidal system on speech? **(10)**

Or

2. What are the classification and characteristics of childhood apraxia of speech? **(10)**

UNIT – II

3. Write the procedure for the assessment of oral peripheral mechanism examination. **(10)**

Or

4. How will you assess the speech intelligibility in child with cerebral palsy? **(10)**

UNIT – III

5. Describe the behavioural management of Articulatory subsystems in childhood dysarthria. **(10)**

Or

6. Explain candidacy and Pre-requisites for AAC management of childhood dysarthria. **(10)**

UNIT – IV

7. "A team approach is required to facilitate effective use of AAC in childhood apraxia of speech" – Discuss. **(10)**

Or

8. Explain melodic intonation therapy for childhood apraxia of speech. **(10)**

UNIT – V

9. Explain the anatomic difference between adults and children with reference to feeding and swallowing. **(10)**

Or

10. Explain the causes, sign and symptoms of dysphasia in children. **(10)**

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BSPLPC 270

IV Semester B.A.S.L.P. Degree Examination, April/May 2019

(Credit Based Semester Scheme)

(2018-19 batch onwards)

Language Disorders in Children

Time : 2 Hours] [Max. Marks : 50

Instructions :

1. *Answer ALL the questions.*
2. *All the questions carry equal marks.*

UNIT – I

1. Explain any two theories of language acquisition. **(10)**

Or

2. Describe the development of components of language from birth to two years. **(10)**

UNIT – II

3. Define Intellectual Disability. Explain the etiology, classification and characteristics of ID. **(10)**

Or

4. Explain :
   (a) William Syndrome
   (b) Fragile X syndrome. **(10)**

UNIT – III

5. Explain the formal assessment methods used for assessing language disorders in children. **(10)**

Or

6. Explain any two test materials for assessing language skills. **(10)**

UNIT – IV

7. Explain the general principles and strategies used in children with language impairment. **(10)**

Or

8. What is Language therapy? Explain reinforcement types and schedules of reinforcement. **(10)**

UNIT – V

9. Mention any two specific approaches for management of children with ASD. **(10)**

Or

10. Explain the use of technology in language intervention. Mention the examples wherever necessary. **(10)**

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BAPSLC 263

IV Semester B.A.S.L.P. Degree Examination, April/May 2019

(Credit Based Semester Scheme)

(2017-18 and earlier batch)

Voice and Laryngectomy

Time : 3 Hours] [Max. Marks : 100

Instructions : *Answer ALL questions.*

UNIT – I

1. Describe the theories of Phonation. **(20)**

Or

2. Explain the Physiological and Acoustical correlates of Normal Voice. **(20)**

UNIT – II

3. Explain and differentiate between Organic and Non Organic Voice disorders. **(20)**

Or

4. Describe the etiology, signs and symptoms of neurological voice disorders with appropriate examples. **(20)**

UNIT – III

5. Explain the various invasive and non-invasive procedures of voice evaluation. **(20)**

Or

6. Describe the normal and abnormal voice pattern based on electroglottogram. **(20)**

UNIT – IV

7. Define Laryngectomy. Explain the different types of laryngectomy. **(20)**

Or

8. Explain the management options for a laryngectomy patient. **(20)**

UNIT – V

9. What are the various surgical procedures used in the treatment of voice disorders with appropriate examples? **(20)**

Or

10. Explain the characteristics and importance of vocal hygiene in a professional voice user. **(20)**

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BAPSLC 359/365

VI Semester B.A.S.L.P Degree Examination, April/May 2019

(Credit Based Semester Scheme)

(2016-17 Batch Onwards & 2015-16 and Earlier Batches)

BASIC STATISTICS

Time : 3 Hours] [Max. Marks : 100

Instructions : *Answer All questions. All carry equal marks.*

1. (a) Define statistics and explain the importance of statistics in speech and hearing. **(10)**

   (b) Explain the descriptive and inferential statistics used in the analysis of data. **(10)**

Or

2. (a) Explain the characteristics of statistics. **(10)**

   (b) What is the classification of data? Explain the different types of classification. **(10)**

3. (a) Define variable and discuss various types of variables with suitable examples. **(10)**

   (b) The following table gives the marks of students in an exam. Summarize the data. Using an "Ogive". **(10)**

Marks	Frequency
20-25	4
25-30	7
30-35	8
35-40	13
40-45	18

Or

4. (a) Explain the different methods of data collection. **(10)**

   (b) Discuss the scales of measurement with examples. **(10)**

5. (a) Define correlation. Discuss the various types of correlation with suitable examples. (10)

(b) Calculate correlation coefficient from the following data. **(10)**

X	65	60	67	69	69	70	72
Y	67	68	65	70	71	69	71

Or

6. (a) What is normal distribution and mention its properties. **(10)**

(b) Calculate the Karl Pearson's coefficient of skewness for the following data :

25, 15, 23, 40, 27, 25, 23, 25, 20 **(10)**

7. (a) What is skewness and kurtosis? Explain any one measure of skewness. **(10)**

(b) The scores obtained by the students in a test are normally distributed with mean 500 and standard deviation 100. What percent of candidates receive scores? **(10)**

(i) Less than 400

(ii) Between 400 and 600

Given $P(0 < z < 1 = 0.3413)$

Or

8. (a) What is central tendency? Explain the various measures of central tendency. **(10)**

(b) Compare the mean and coefficient of variation for the following data : **(10)**

Class Interval	2-4	4-6	6-8	8-10	10-12
Frequency	4	7	9	5	2

9. (a) Mention the various non parametric tests. **(10)**

(b) Calculate Spearman's rank correlation coefficient for the following : **(10)**

Marks in Audiology	82	55	60	36	80	25	90	35	70
Marks in Speech	72	26	34	26	50	24	68	44	60

Or

10. (a) A study was conducted to determine the weight loss in obese subjects before and after a treatment. The data is given below :

Before	131	116	95	187	102	99	84
After	89	88	78	83	84	78	62

Test whether treatment is effective. **(10)**

(b) Write short notes on the following :

(i) Type I Error and Type II Error

(ii) Region of acceptance and region of rejection. **(10)**
