Reg. No. | 1 | 4 | 7 | 8 | 8 | 0 | 1 | 0 | 5 |

BAPSLC 360/366

Credit Based VI Semester B.A.S.L.P. Examination, April/May 2017
SCIENTIFIC ENQUIRY IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
(2015 – 16 & Earlier Batches) / (2016 – 17 Batch Onwards)

Time : 3 Hours Max. Marks : 100

Instruction : *Answer **all** questions.*

UNIT – 1

1. a) Explain different types of Hypothesis with examples. **10**

   b) How to formulate a hypothesis ? Explain with a suitable examples from audiology. **10**

OR

2. a) Describe the status of research in speech and hearing field in India. **10**

   b) How to formulate a research question ? **10**

UNIT – 2

3. Explain different types of data and describe their usefulness in research along with their merits and demerits. **20**

OR

4. Define dependent and independent variables. Explain any three examples for each. **20**

UNIT – 3

5. a) Differentiate between primary and secondary data. **10**

   b) Explain the different sampling procedures. **10**

OR

6. Explain different types of probability sampling. **20**

P.T.O.

UNIT – 4

7. Write short note on : **(5×4=20)**

   a) Case control study

   b) Standard group comparison

   c) Single case design

   d) Expost-Facto research design.

OR

8. Define research design. Explain different types of research designs. **20**

UNIT – 5

9. Describe the qualities of a good research article. **20**

OR

10. Explain the process of documentation of research through organization, presentation and analysis of data. **20**

Reg. No. 1 4 7 8 8 0 1 0 5

BAPSLC 358/364

Credit Based VI Semester B.A.S.L.P. Degree Examination, April/May 2017
(2015-16 and Earlier Batches)/(2016-17 Batch Onwards)
NOISE MEASUREMENT AND HEARING CONSERVATION

Time : 3 Hours Max. Marks : 100

Instruction : *Answer **all** questions. **Each** question carries **20** marks.*

UNIT – 1

1. Define Noise. Explain histopathological changes due to noise induced hearing loss. **20**

OR

2. a) Explain TTS and recovery pattern. **10**
   b) Describe non-auditory effects of noise. **10**

UNIT – 2

3. Explain audiometric findings in NIHC. (Draw appropriate audiograms wherever required). **20**

OR

4. Explain the following : **(5x4=20)**
   a) OAE findings in NIHC.
   b) Tests to check susceptibility.
   c) Baseline and periodic monitoring.
   d) Rationale behind correction for presbyacusis.

UNIT – 3

5. Describe the procedure for measuring out door noise. **20**

OR

6. Describe the various instruments used for noise measurements. **20**

P.T.O.

UNIT – 4

7. Define Ear protective devices. Mention the types and properties of EPD's. 20

OR

8. What is hearing conservation programme ? Explain the need and methods of implementation of HCP in an industry. 20

UNIT – 5

9. Write short notes on : (5×4=20)

a) DRC

b) CHABA

c) Walsh Healy Act

d) OSHA.

OR

10. Write short notes on : (5×4=20)

a) AMA method

b) AAOO formula

c) Environmental Protection Act

d) AFR 160.

Reg. No. | 1 | 4 | 7 | 8 | 3 | 0 | 1 | 1 | 4 |

BAPSLC 357/363

Credit Based VI Semester B.A.S.L.P. Examination, April/May 2017
NEUROGENIC LANGUAGE DISORDERS IN ADULTS
(2015 – 16 & Earlier Batches)
(2016 – 17 Batch Onwards)

Time : 3 Hours | Max. Marks : 100

Instructions : *1) Answer **all** questions.*
*2) **All** carry **equal** marks.*

UNIT – 1

1. Define spontaneous recovery. Describe the various characteristics of spontaneous recovery. **20**

OR

2. Write a note on regression hypothesis. Mention its importance in therapy for Aphasics. **20**

UNIT – 2

3. a) Discuss the classification systems of Aphasia. **10**
   b) Describe any one system. **10**

OR

4. a) What are the clinical findings of Jargon Aphasia ? **10**
   b) Elaborate dyslexia in Aphasia. **10**

UNIT – 3

5. Describe the different electro physiological and radiological investigations and their relative usefulness in the study of Aphasia. **20**

OR

6. Describe the formal assessment procedures in language assessment of Aphasia. **20**

P.T.O.

UNIT – 4

7. a) Write the characteristics of subcortical Aphasia. 10

   b) Write a note on literacy and Aphasia. 10

OR

8. a) What are language characteristics in dementia ? 10

   b) Write a note on primary progressive Aphasia. 10

UNIT – 5

9. Critically evaluate the statement "Normalisation is not possible in rehabilitation of Aphasia". 20

OR

10. What are the important prognostic indicators that should be considered in language recovery of non fluent Aphasics ? 20

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BAPSLC 359/365

Credit Based Sixth Semester B.A.S.L.P. Examination, April/May 2017
(Semester Scheme)
(2015-16 and Earlier Batches and 2016-17 Batch Onwards)
BASIC STATISTICS

Time : 3 Hours Max. Marks : 100

Instructions : *1) Answer **all** questions.*
*2) **All** questions carry **equal** marks.*

UNIT – 1

1. a) Differentiate descriptive and inferential statistics. **10**
   b) Explain the scope and importance of studying statistics. **10**

OR

2. a) What are the role of statistics in behavioural sciences ? **10**
   b) Discuss the functions and characteristics of statistics. **10**

UNIT – 2

3. a) Define variables and discuss various types of variables with appropriate examples. **10**
   b) The following table gives the marks of 50 students in an exam. Summarise the data using an "Ogive": **10**

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

OR

4. a) Differentiate the terms "relative frequency" and "cumulative frequency". **5**
   b) Write a short note on presentation of data. **15**

P.T.O.

UNIT – 3

5. a) The following data relate to the age of 8 asthma subjects compute the various measures of central tendency. Also, describe the merits and demerits of each measure 45, 75, 80, 20, 50, 25, 20 and 55. **10**

   b) Compute mean deviation and standard deviation for the following data : **10**

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

OR

6. a) Differentiate "Deciles" and "Percentiles". **5**

   b) Weight of 7 HIV subjects was measured by using two different scales and given below : **15**

Weight (kg)	73	68	51	70	63	49	58
Weight (Pound)	131	150	98	154	139	85	108

UNIT – 4

7. a) Differentiate "skewness" and "kurtosis" with the help of diagram. **10**

   b) Suppose the average length of stay in a hospital of the patients is 60 days with a standard deviation of 15. By assuming normal distribution, find the probability that a randomly selected patient will have a length of stay between 30 and 60 days. **10**

OR

8. a) Describe the properties of the standard normal distribution. **8**

   b) The following data relate to the age of 8 asthma subjects. Is this data follows a symmetric distribution ?

   45, 75, 79, 22, 55, 26, 22, 53. **12**

UNIT – 5

9. a) Narrate various non-parametric tests. **8**

   b) Compute Spearman's ratio for the following data : **12**

Rank of X	4	9	10	2	3	7	5	9	11	6
Rank of Y	5	7	11	3	5	1	5	3	10	8

OR

10. a) Define correlation and discuss various types of correlation with the help of scatter diagram. **8**

    b) A study was conducted to determine weight loss in abese subjects before and after a treatment. The data is given below : **12**

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

Test whether treatment is effective ? (Table value = 2.447).