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FATHER MULLER COLLEGE KANKANADY

Reg. No. 0 8 2 6 9 0 0 0 2

BAPSLC 301

Credit Based V Semester B.A.S.L.P. Examination, December 2010
NEUROMOTOR SPEECH DISORDERS

Time : 3 Hours

Max. Marks : 100

Instruction : Answer all questions.

I. 1) Describe the respiratory and phonatory problems observed in cerebral palsy children. Mention their effect on speech production. 20

OR

2) What are primitive reflexes ? Write on the procedures and need for assessing oropharyngeal reflexes in cerebral palsy children. (4+16=20)

II. 3) Elaborate on principles of neurodevelopmental approaches. Explain any two approaches. (4+16=20)

OR

4) What are the salient clinical features in developmental dyspraxia ? Comment on any one specific treatment approach to dyspraxia. (10+10=20)

III. 5) A) Differentiate between UMN lesion and LMN lesion. 10

B) Explain the role of neuro transmitters. 10

OR

6) Define dysarthria. Classify dysarthria and briefly explain the characteristics of each. (4+16=20)

IV. 7) Discuss on the role of AAC in the intervention of neuromotor speech disorders. 20

OR

8) Give an account of aerodynamic analysis of speech in neuromotor speech disorders. 20

V. 9) Explain the phases of normal swallow and mention the possible disturbances manifested in each of them. 20

OR

10) Classify acquired apraxia. Elaborate their site of lesion and clinical features. 20

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BAPSLC 302

Credit Based V Semester B.A.S.L.P. Degree Examination, December 2010
PAEDIATRIC AUDIOLOGY

Time : 3 Hours

Max. Marks : 100

Note : Answer all questions.

UNIT – 1

1. Discuss the development of auditory behavior from 0 to 2 years. 20

OR

2. a) Mention the genetic causes of hearing loss in children. 10

   b) What is the importance of case history in paediatric audiological evaluation ? 10

UNIT – 2

3. Give a detailed plan to identify 'At risk' children for deafness in India. 20

OR

4. Discuss the importance of critical period for language learning. 20

UNIT – 3

5. Describe how audiometry can be carried out with young children. 20

OR

6. Describe the factors affecting the speech audiometry in children. 20

P.T.O.

UNIT – 4

7. Describe ABR testing to estimate threshold in children. 2

OR

8. Discuss the importance of otoacoustic emissions in infant screening. 2

UNIT – 5

9. Explain any two tests to identify CAPD in children. 2

OR

10. Describe various behavioral and objective techniques for identifying functional hearing loss in children. 2

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BAPSLC 303

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REHABILITATIVE AUDIOLOGY

Time : 3 Hours Max. Marks : 100

Instruction : Answer all questions.

UNIT – I

I. 1) What clinical facilities are essential in the management of children with multiple disabilities ? 20

OR

2) Write an essay on management options and counselling to be provided to the teachers in the management of children with auditory processing disorders in schools.

UNIT – II

II. 3) Write notes on :

a) John Tracy clinic 10

b) Visual perception of speech 10

OR

4) Write notes on :

a) Importance of speech reading in rehabilitation of adults with hearing disorders.

b) Devices that are used for augmenting visual perception.

P.T.O.

UNIT – III

III. 5) What are the factors that influence speech reading in individuals with hearing impaired ? 20

OR

6) Define individual and group auditory training. Discuss the advantages and disadvantages of individual Vs group auditory training.

UNIT – IV

IV. 7) What are the factors that influence the progress in auditory training ? 20

OR

8) Write an essay on different approaches used in auditory training.

UNIT – V

V. 9) Write a home training program for 10 year old child with profound hearing impairment for improving speech reading skills. 20

OR

10) Write an essay on communication strategies.

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BAPSLC 304

Credit Based V Semester B.A.S.L.P. Degree Examination, December 2010
BASIC STATISTICS AND RESEARCH METHODS IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY

Time : 3 Hours

Max. Marks : 100

Note : Answer all questions.

UNIT – 1

1. Define statistics and discuss the importance of statistics in behavioral science. 10

   Explain the different scales of measurements with examples. 10

OR

2. What are the different sources of data ? 8

   Describe the different types of diagrams used in presenting the collected data. 12

UNIT – 2

3. What is central tendency ? 10

   Explain any three measures of central tendency. 10

   Calculate mean and median for the following data :

Age in years :	0-5	5-10	10-15	15-25	25-35
No. of males :	15	16	18	25	20

OR

4. What are the desired characteristics of a good measure of central tendency. 8

   Two doctors X and Y measured the systolic B.P. of two groups of men and the results were as under :

	No. of men	Mean B.P.	Standard deviation
Doctor X :	110	158 m.m.	22.4 m.m
Doctor Y :	125	150 m.m.	20.0 m.m.

   Find the mean and standard deviation of the two groups together. 12

P.T.O.

UNIT – 3

5. Explain Skewness and Kurtosis of a distribution. 10

Calculate rank correlation for the following data.

Subject (Student) :	A	B	C	D	E	F	G	H
Marks in I exam :	15	18	22	17	19	20	16	21
Marks in II exam :	40	42	46	45	43	43	41	41

10

OR

6. Explain the following : 20

i) Students t-test

ii) Tests based on large samples

iii) Type I and Type II errors

iv) Pearson's product moment correlation.

UNIT – 4

7. Explain the various probability sampling techniques. 20

OR

8. Explain the following :

i) Non-probability sampling methods

ii) Pilot survey

iii) Advantages of sampling method over complete enumeration. 20

UNIT – 5

9. Mention the different types of research. 8

Distinguish between experimental research and non-experimental research. 12

OR

10. Explain the following : 20

i) Reliability and validity of measurement

ii) Sampling error and non-sampling error

iii) Characteristics of a good design.