

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

SECOND YEAR B.A.S.L.P. DEGREE EXAMINATION – JUNE 2005

SUBJECT: CHILDHOOD COMMUNICATION DISORDERS (B.2.1.2)

Wednesday, June 08, 2005

Time: 3 Hrs.

Max. Marks: 80

≠ *Question No. 1 is compulsory. Answer any FOUR questions out of the rest.*

1A. Define in two sentences each

- i. APGAR ii. Communication Intent iii. CELF iv. AAC.

1B. Discuss the major characteristic features of ADHD.

(8+8 = 16 marks)

2. Elaborate on a protocol that one could use for the diagnosis of Autism.

(16 marks)

3. Explain any two of the common causes for Acquired Childhood Aphasia. What are the characteristic differences between acquired aphasias in children Vs adults?

(6+10 = 16 marks)

4. Write short notes on any **four**:

- 4A. Egocentric speech
4B. Reflexive vocalization
4C. Mirror writing
4D. Diphthongization
4E. RH-Incompatibility.

(4×4 = 16 marks)

5. Write a lesson plan for the speech and language management of a hearing impaired child (3yr/M) with Bilateral Profound Sensorineural Hearing loss who recently underwent cochlear implantation.

(16 marks)

6. Define phonological processes. Elaborate on any one classification of phonological processes.

(3+13 = 16 marks)

7. Discuss Chomsky's theory of Language Acquisition.

(16 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

SECOND YEAR B.A.S.L.P. DEGREE EXAMINATION – JUNE 2005**SUBJECT: ARTICULATION AND PHONOLOGICAL DISORDERS (B.2.1.3)**

Thursday, June 09, 2005

Time: 3 Hrs.

Max. Marks: 80

✍ *Answer any FIVE. Question No. 6 is compulsory.*

1A. Describe the nature of speech problems in occult cleft.

1B. Discuss the management of occult cleft.

(8+8 = 16 marks)

2. What is speech perception? Describe the theories of speech perception.

(16 marks)

3A. Briefly explain the embryology.

3B. With diagrams, describe the development of palate.

(4+12 = 16 marks)

4A. Define DF. Describe the DF system given by Chomsky and Halle.

4B. List the application of DF in the field of Speech and Hearing.

((2+8)+6 = 16 marks)

5. Explain the different types of glossectomy. List the speech characteristics.

(10+6 = 16 marks)

6. Write short notes on any **FOUR**:

6A. Hemi facial microsomia

6B. HONC

6C. Paired stimuli approach

6D. Stages of swallowing

6E. Phonological process analysis.

(4×4 = 16 marks)



Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

SECOND YEAR B.A.S.L.P. DEGREE EXAMINATION – JUNE 2005

SUBJECT: VOICE AND LARYNGECTOMY (B.2.1.4)

Friday, June 10, 2005

Time: 3 Hrs.

Max. Marks: 80

⚡ *Question No. 6 is compulsory. Answer any FOUR from the rest.*

1. Describe the different factors that can influence vocal characteristics.
(16 marks)
2. Elaborate on the therapeutic techniques for hyperfunctional voice disorders.
(16 marks)
3. Describe the voice characteristics of spasmodic dysphonia. Add a note on its differential diagnosis and management.
(16 marks)
- 4A. Write a note on voice problems in hearing impaired.
- 4B. What are your recommendations to a professional singer regarding voice care?
(8+8 = 16 marks)
5. Differentiate Laryngectomy Vs Laryngectomee. Comment on the structural anatomy of the vocal mechanism prior to and subsequent to laryngectomy. Discuss the factors that influence the acquisition of esophageal speech. Add a note on duck bill voice prosthesis.
(16 marks)
6. Write short notes on *any four*:
 - 6A. GERD
 - 6B. Voice rating scales
 - 6C. Phonosurgery
 - 6D. Instruments to assess resonance disorders
 - 6E. LSVT.

(4×4 = 16 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

SECOND YEAR B.A.S.L.P. DEGREE EXAMINATION – JUNE 2005**SUBJECT: DIAGNOSTIC AUDIOLOGY (B.2.2.2)**

Monday, June 13, 2005

Time: 3 Hrs.

Max. Marks: 80

Answer any 5 questions. Question No. 1 is compulsory.

1A. State true or false and justify:

- i) OAE's are absent in conductive hearing loss patients.
- ii) ABLB can not be used with bilateral hearing loss patients.
- iii) Admittance of the ear depends only on conductance at resonance frequency.
- iv) Acoustic reflexes are more sensitive than tympanometry in identifying middle ear diseases.

1B. Differentiate the following:

- i) Sweep pressure vs. sweep frequency tympanometry.
- ii) Prediction of hearing threshold using ABR vs. Acoustic reflex.

 $((2 \times 4) + (4 \times 2)) = 16$ marks)

2. Highlight the importance of "test battery approach" in differential diagnosis.

(16 marks)

3A. Describe the effect of collection parameter on ABR.

3B. Discuss the ABR findings in Meniere's disease and VIII nerve tumour.

(8+8 = 16 marks)

4. Discuss the behavioral signs and indicators within audiological tests, for functional hearing impairment.

(16 marks)

5. List the speech tests that could be used to identify CAPD. Critically evaluate each of them.

(16 marks)

6A. Define adaptation. Explain any two threshold tone decay test.

6B. Highlight the merits of suprathreshold adaptation test.

(8+8 = 16 marks)

7. Write short notes on *any four*:

- 7A. Jerger box pattern
- 7B. Monaural loudness balance test
- 7C. ENG
- 7D. DPOAE
- 7E. PIPB.

(4×4 = 16 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

SECOND YEAR B.A.S.L.P. DEGREE EXAMINATION – JUNE 2005**SUBJECT: EDUCATIONAL AUDIOLOGY (B.2.2.4)**

Tuesday, June 14, 2005

Time: 3 Hrs.

Max. Marks: 80

≠ *Question No. 1 is compulsory. Answer any 4 of the other questions.*

1. Write short notes on any 4 of the following:

1A. Structural Vs. Natural Approach

1B. Residential Schools

1C. Tactile Aids

1D. Pre-lingual Vs. Post Lingual deafness

1E. S/N Ratio in the Classroom

(4×4 = 16 marks)

2. What is counseling? What would you counsel the parents, teachers and peers of a HOH Child?

(16 marks)

3A. What steps has the Government of India taken to overcome the educational problems of the HOH?

3B. What further steps the Government should take?

(8+8 = 16 marks)

4. All Hearing Impaired children should undergo segregated form of education at least for few years. Comment.

(16 marks)

5A. What do you mean by "Sense Training".

5B. Briefly explain the various aids used for aurally handicapped for sense training.

(4+12 = 16 marks)

6. Discuss the factors to be considered in planning rehabilitatory measures for HOH children.

(16 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

SECOND YEAR B.A.S.L.P. DEGREE EXAMINATION – JUNE 2005

SUBJECT: BASIC STATISTICS AND RESEARCH METHODS IN SPEECH LANGUAGE PATHOLOGY AND AUDIOLOGY

Wednesday, June 15, 2005

Time: 3 Hrs.

Max. Marks: 80

Answer ALL the questions.

- 1A. Discuss the role of Biostatistics in health care delivery system.
- 1B. What are the various types of variables in research? Give examples for each.
(5+5 = 10 marks)
2. Define sampling. What are the advantages of probability sampling? Briefly discuss the various types of probability sampling methods.
(1+2+7 = 10 marks)
- 3A. What is central tendency? Mention the measures of central tendency with merits and demerits.
(1+3+3 = 7 marks)
- 3B. In a study of depressed patients, it was found that the age at onset of depression for those in dysfunctional families was normally distributed with a mean of 30 years and a standard deviation of 9 years. If a depressed person is selected at random from a dysfunctional family, find the probability that the patient was
- i) more than 21 years ii. Between 21 and 48 years.
(3 marks)
4. Define health information system. What are its uses? Mention the sources of health information system.
(1+3+6 = 10 marks)
5. Write short essays on:
(5×8 = 40 marks)
- 5A. Scales of measurement.
- 5B. Basic concepts of research.
- 5C. Role of diagrammatic presentation of data.
- 5D. Normal distribution.
- 5E. Concept of health and diseases.
- 5F. Hospital Statistics.
- 5G. Descriptive Epidemiological methods.
- 5H. Correlation with scatter diagram.



MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

SECOND YEAR B.A.S.L.P. DEGREE EXAMINATION – JUNE 2005

SUBJECT: AMPLIFICATION AND ASSISTIVE DEVICES FOR THE HEARING IMPAIRED (B.2.2.3)

Friday, June 17, 2005

Time: 3 Hrs.

Max. Marks: 80

✍ Answer any 5 questions.

1. Discuss the hearing instrument fitting options, verification and counseling for the subject with bilateral presbycusis having following audiological findings.

Age: 90 years				
Thresholds	500 Hz	1000 Hz	2000 Hz	4000 Hz
Right Air Conduction	25	40	75	90
Left Air Conduction	30	45	90	100
Right SIS	40% in Quite		20% in noise	
Left SIS	35% in Quite		15% in noise	

(16 marks)

2. Compare and Contrast the following:
- Bone Conduction Hearing Aids vs. Bone Anchored Hearing Aids.
 - Programming Digital hearing Aid vs. Mapping Cochlear Implant.
 - Fitting Behind the Ear Vs. Completely In The Ear Hearing Aid.
 - Functional Gain vs. Insertion Gain Measurements.

(4×4=16 marks)

3. Short notes:
- Articulation Index
 - Merits of Venting
 - Cochlear Implants
 - DSL Prescriptive Formula

(4×4=16 marks)

4. Critically evaluate the applications of electro acoustic analysis and insertion gain measurements in fitting hearing instruments.

(16 marks)

5. Discuss the candidacy for cochlear implants and the preoperative assessment protocol recommended.

(16 marks)

- Describe the steps involved in taking the deep canal ear impression.
- Discuss the merits and demerits of fitting completely in the Ear hearing instrument.

(8+8 = 16 marks)

