

MANIPAL UNIVERSITY

SECOND YEAR B.A.S.L.P. DEGREE EXAMINATION – JUNE 2009

SUBJECT: CHILDHOOD COMMUNICATION DISORDERS (B.2.1.2)

Monday, June 01, 2009

Time: 10:00-13:00 Hrs.

Max. Marks: 80

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

1A. Define in two sentences each

- | | |
|-----------------------------------|--|
| i) LKS | ii) Hydrocephaly |
| iii) Universal Grammar principles | iv) Equipotential hemispheres hypothesis |
- (2×4 = 8 marks)

1B. Describe the differential diagnosis of childhood language disorders.

(8 marks)

2. Explain the linguistic theory of language acquisition. Justify the importance of this theory in terms of its basic assumptions and applications.

(8+8 = 16 marks)

3. Briefly explain mental retardation with its causes. Describe the management of children with Down's syndrome.

(8+8 = 16 marks)

4. Describe learning disability with its characteristic features. Discuss the formal and informal assessment procedures for dyslexics.

(8+8 = 16 marks)

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

5A. Therapy for Dysgraphia.

5B. AAC.

5C. Atypical autism.

5D. Critical age.

5E. Language in visually impaired.

(4×4 = 16 marks)

6. Explain the various causes leading to Acquired Childhood Aphasia. Discuss any one type of childhood aphasia with its characteristic features.

(6+10 = 16 marks)

7. Explain the speech errors of congenitally hearing impaired children. Describe the approaches to teach language to hearing impaired.

(8+8 = 16 marks)



MANIPAL UNIVERSITY**SECOND YEAR B.A.S.L.P. DEGREE EXAMINATION – JUNE 2009****SUBJECT: ARTICULATION AND PHONOLOGICAL DISORDERS (B.2.1.3)**

Tuesday, June 02, 2009

Time: 10:00-13:00 Hrs.

Max. Marks: 80

✍ Answer any FIVE: Question no. 6 is compulsory.

- 1A. List the criteria to select the target sound for intervention.
1B. Describe the techniques for the intervention of phonological disorder.
(4+12 = 16 marks)
- 2A. Describe the various resonatory disorders.
2B. Explain the procedure and role of nasometry in the evaluation of velopharyngeal dysfunction.
(8+8 = 16 marks)
- 3A. What is the effect of glossectomy on speech and swallowing?
3B. Describe the nature of speech problems in glossectomy.
(6+10 = 16 marks)
4. Describe the protocol in the assessment of articulation and phonological disorder.
(16 marks)
- 5A. Write a note on the velar movement during velopharyngeal Mechanism.
5B. Briefly explain the procedure and the use of nasal endoscopy in the evaluation of velopharyngeal dysfunction.
(8+8 = 16 marks)
6. Write short notes on any **FOUR**:
- 6A. Metaphon therapy.
6B. Articulation errors seen hearing impaired.
6C. Hodson assessment of phonological patterns.
6D. Error pattern articulation test.
6E. Velo cardio facial syndrome.
(4×4 = 16 marks)



MANIPAL UNIVERSITY
SECOND YEAR B.A.S.L.P. DEGREE EXAMINATION – JUNE 2009
SUBJECT: VOICE AND LARYNGECTOMY (B.2.1.4)

Wednesday, June 03, 2009

Time: 10:00-13:00 Hrs.

Max. Marks: 80

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

- 1A. Explain the various layers of the vocal fold with a neat diagram.
1B. Describe the theories of voice production. (8+8 = 16 marks)
- 2A. Describe different air intake procedures for achieving esophageal speech.
2B. Write a note on the importance of post operative laryngectomy counseling. (10+6 = 16 marks)
3. Define Normal voice. Explain the physiological, acoustical and aerodynamic characteristics of Normal voice. (16 marks)
- 4A. Describe the voice characteristics of congenital severe sensori-neural hearing loss.
4B. List the voice characteristics of Spasmodic dysphonics. (8+8 = 16 marks)
5. Write a note on the causes, characteristics, assessment and management of laryngeal Trauma. (16 marks)
6. Write short notes on any **FOUR**:
- 6A. MAFR, MPD, Jitter and Shimmer.
6B. Causes and symptoms of laryngeal cancer.
6C. Hyperfunctional voice disorders.
6D. Acoustic evaluation of voice.
6E. Assessment of voice disorders. (4×4 = 16 marks)



MANIPAL UNIVERSITY**SECOND YEAR B.A.S.L.P. DEGREE EXAMINATION – JUNE 2009****SUBJECT: DIAGNOSTIC AUDIOLOGY (B.2.2.2)**

Thursday, June 04, 2009

Time: 10:00-13:00 Hrs.

Max. Marks: 80

✍ **Answer any FIVE questions. Question no. 6 is compulsory.**

1. How do you differentiate between cochlear and retro cochlear pathology based on case history and routine audiological evaluation?
(16 marks)
2. A 30 year old male comes with the complaint of hearing loss and blocking sensation in both the ears since one week. Explain the battery of tests you would like to administer for diagnosis.
(16 marks)
- 3A. Describe the basic components of any ABR instrument with a neat block diagram.
- 3B. Write an ABR protocol for site of lesion testing used in your clinic.
(10+6 = 16 marks)
4. Briefly explain the different Bekesy audiograms. Describe how Bekesy audiometry helps in identification of functional hearing loss.
(8+8 = 16 marks)
5. Explain subtlety and bottleneck principles with respect to auditory processing. Describe any two tests for detection of auditory processing disorder using pure tones.
(8+8 = 16 marks)
6. Write short notes on any **FOUR**:
 - 6A. Impedance signature
 - 6B. Lombard test
 - 6C. ECoChG
 - 6D. Filtered speech test
 - 6E. STAT
(4×4 = 16 marks)



MANIPAL UNIVERSITY

SECOND YEAR B.A.S.L.P. DEGREE EXAMINATION – JUNE 2009

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

Friday, June 05, 2009

Time: 3 Hrs.

Max. Marks: 80

✍ **Answer ALL the questions**

1. Define:

| | | |
|--------------------------------|-------------------------|---------------------------|
| a) Crude birth rate | b) Crude death rate | c) General fertility rate |
| d) Age specific fertility rate | e) Total fertility rate | |

(2×5 = 10 marks)

2. Explain with examples different types of variables in research.

(10 marks)

- 3A. Explain standard deviation with its merits and demerits.
- 3B. In two series, adults aged 21 years and children 3 months old, following values were obtained for heights. Calculate co-efficient of variation and find out if height is more variable in adults or children?

| <i>Category</i> | <i>Mean. Height</i> | <i>Standard Deviation</i> |
|-----------------|---------------------|---------------------------|
| Adults | 160cms | 10cms |
| Children | 60cms | 5cms |

(5+5 = 10 marks)

- 4A. Define epidemiology and write the objectives of epidemiology.
- 4B. The estimated mid-year population for City X in 1990 was 761,335 of which 76,100 were in the age group of 1 – 4 years. During the year, there were 700 attacks of measles in the age group 1-4 years. The total new cases of tuberculosis were 912; the total cases of tuberculosis reported during the year were 23,000. Calculate the following:
 - i) Incidence rate for Tuberculosis in the year 1990
 - ii) Age specific incidence rate for measles in the age-group 1-4 years
 - iii) Prevalence rate for Tuberculosis.

(4+6 = 10 marks)

5. What is correlation? Explain different types of correlation with the help of scatter diagram.

(1+4 = 5 marks)

6. Explain stratified random sampling with its merits and demerits.

(5 marks)

7. It is observed that pulse rate of healthy male adults follow normal distribution with a mean of 75 per minute and a SD of 4 per minute. Find the probability that a randomly selected person have pulse rate

- a) Less than 71 per minute b) Between 67 and 83 per minute

(5 marks)

8. Write short notes on:

- 8A. Census
8B. Characteristics of a good hypothesis
8C. Population, sample and sampling
8D. Biostatistics and its role in health science

(5×4 = 20 marks)

9. Present the following data on percentage of live births by order of birth using a component bar diagram.

| Birth Order | % Live births in | |
|--------------|------------------|------------|
| | 1990 | 1996 |
| 1 | 20 | 21 |
| 2 | 25 | 24 |
| 3 | 17 | 18 |
| 4 | 16 | 13 |
| 5 | 14 | 15 |
| 6 or more | 8 | 9 |
| Total | 100 | 100 |

(5 marks)



MANIPAL UNIVERSITY**SECOND YEAR B.A.S.L.P. DEGREE EXAMINATION – JUNE 2009****SUBJECT: AMPLIFICATION AND ASSISTIVE DEVICES FOR THE HEARING IMPAIRED (B.2.2.3)**

Saturday, June 06, 2009

Time: 10:00-13:00 Hrs.

Max. Marks: 80

Answer any FIVE questions: Question No: 1 is compulsory.

1. Write short notes on:

- 1A. Canal aids
- 1B. Insertion gain
- 1C. Skeletal mold
- 1D. Amplifier

(4×4 = 16 marks)

2A. List the complications after cochlear implantation.

2B. Write the following types of CROS in terms of degree of loss (BE/PE), configuration and molds used.

- i) Open BiCROS ii) CRISCROS iii) Power CROS
- iv) BC CROS v) Bi FROS

(6+10 = 16 marks)

3A. What is Electro acoustic measurement? List the purpose of doing electroacoustic measurement.

3B. Describe the advantages of binaural hearing over monaural hearing.

(16 marks)

4. Describe briefly the methods to select the hearing aids.

- 4A. BERA
- 4B. Acoustic reflex
- 4C. Articulation index
- 4D. POGO

(4×4 = 16 marks)

5A. What is a vent? What are its uses? Briefly describe the different types of vents.

5B. What are the various modifications that you can do in an amplification system for the following individuals?

- i) Deaf- blind ii) High frequency loss

(8+(4×2) = 16 marks)

6A. List the tips that you would give to the family members of an elderly hearing aid user on improving communication.

6B. Describe the induction loop system.

(8+8 = 16 marks)



| | | | | | | | | | | | | | | | | | | | |
|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Reg. No. | | | | | | | | | | | | | | | | | | | |
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MANIPAL UNIVERSITY

SECOND YEAR B.A.S.L.P. DEGREE EXAMINATION – JUNE 2009

SUBJECT: EDUCATIONAL AUDIOLOGY (B.2.2.4)

Monday, June 08, 2009

Time: 10:00-13:00 Hrs.

Max. Marks: 80

✍ Question number 1 is compulsory. Answer any FOUR of the other questions.

1. Write short notes on any **FOUR** of the following:

- 1A. ALDs.
- 1B. American sign language Vs Indian sign language.
- 1C. Counseling.
- 1D. Correspondence program.
- 1E. Pre-lingual Vs post-lingual deafness.

(4×4 = 16 marks)

2. What is home training program? Write a home training program for your hearing impaired client.

(16 marks)

3. What are classroom amplification devices? What are its advantages and disadvantages?

(16 marks)

4. Discuss the various methods of early identification.

(16 marks)

5. How do you classify different approaches to teach communication to hearing impaired population? Discuss total communication in detail.

(16 marks)

6. What factors will you be considering while providing classroom to a group of hearing impaired subjects?

(16 marks)



MANIPAL UNIVERSITY**SECOND YEAR B.A.S.L.P. DEGREE EXAMINATION – JUNE 2009****SUBJECT: OTORHINOLARYNGOLOGY AND COMMUNITY ORIENTED PROFESSIONAL PRACTICES IN SPEECH LANGUAGE PATHOLOGY/AUDIOLOGY (B.2.3.5)**

Tuesday, June 09, 2009

Time: 10:00-13:00 Hrs.

Max. Marks: 80

Answer Section "A" and Section "B" in separate answer books.**SECTION "A" – OTORHINOLARYNGOLOGY : 40 MARKS**

1. Describe in detail all the audiologic tests used to evaluate hearing.

OR

Discuss the etiopathogenesis of hoarseness of voice.

(10 marks)

2. Write short notes on any **SIX**:

2A. Otomycosis

2B. Noise induces hearing loss

2C. Masking

2D. Puberphonia

2E. Stapedial reflex

2F. Killian's dehiscence

2G. Oesophagus

(5×6 = 30 marks)

SECTION "B" – COMMUNITY ORIENTED PRACTICES IN SPEECH LANGUAGE PATHOLOGY AND AUDIOLOGY : 40 MARKS**Answer THREE questions in all. Question 3 is compulsory.**3. Write short notes on (any **TWO**):

3A. Camp-Based Service

3B. Vocational training

3C. NSSO, Government of India

3D. Manpower development

(5×2 = 10 marks)

4. What is the RCI Act 1992? Explain the functions of the council that formed as a result of this act.

(15 marks)

5. Elaborate and chart out the steps to plan service – delivery setup. What are the accounting procedures that maximize economic resources to the setup?

(15 marks)

6. Explain the concept of "Team Approach" in Rehabilitation. What are the features of a well functioning team?

(15 marks)

