

MANIPAL UNIVERSITY
FOURTH SEMESTER B.A.S.L.P. DEGREE EXAMINATION – AUGUST 2017
SUBJECT: VOICE AND LARYNGECTOMY (B 4.1)

Wednesday, August 16, 2017

Time: 10:00-13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL the questions.**

- 1A. “Neurochronaxic theory does not explain the process of phonation”. Comment.
1B. Explain the phases of phonation.

OR

- 2A. Write any two classification systems of voice with its advantages and disadvantages.
2B. Write a note on perceptual and acoustic characteristics of senescence voice.

(6+6 = 12 marks)

3. Discuss the types, causes, symptoms, and management options.
3A. Laryngeal web
3B. Subglottic stenosis

(6+6 = 12 marks)

OR

4. Explain any two disorders of voice resulting from damage to nervous system.

(12 marks)

5. What is Electroglottogram? Delineate its role in the evaluation of voice disorder.

(12 marks)

OR

- 6A. What are the steps to be taken care while performing the acoustic evaluation of voice.
6B. “Phonation versus speech sample in the process of voice evaluation” Comment.

(6+6 = 12 marks)

7. What is laryngectomy? Explain briefly the different types of laryngectomy.

(12 marks)

OR

- 8A. Discuss factors to be considered for candidacy of tracheo-esophageal speech.
8B. Differentiate pharyngeal speech versus buccal speech.

(6+6 = 12 marks)

9. Discuss the various voice therapy approaches proposed by Stemple.

(12 marks)

OR

- 10A. Discuss the Koufmann and Isaaccon’s classification of professional voice users.
10B. Write a note on phonosurgery.

(6+6 = 12 marks)

11. **Write short notes on the following.**

- 11A. Bernoulli's effect
- 11B. Hyperthyroidism
- 11C. Resection of superior laryngeal nerve
- 11D. Vocal cyst
- 11E. Fundamental frequency
- 11F. Shimmer
- 11G. TNM classification
- 11H. Gastric pull up
- 11I. Laryngeal Keel
- 11J. Laser surgery for vocal folds

(2 marks × 10 = 20 marks)



MANIPAL UNIVERSITY
FOURTH SEMESTER B.A.S.L.P. DEGREE EXAMINATION – AUGUST 2017
SUBJECT: MOTOR SPEECH DISORDERS IN CHILDREN (B 4.2)

Thursday, August 17, 2017

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

Answer ALL the questions.

1. Discuss the motor speech deficits associated with cranial nerve IX and X lesions.

(12 marks)

OR

- 2A. Draw a neat diagram of basal ganglia and label the major parts.
2B. List the functions of basal ganglia.

(8+4 = 12 marks)

3. Describe the role of medical and non-medical professionals in the rehabilitation of children with cerebral palsy.

OR

4. Discuss the subjective and objective assessment methods for childhood dysarthria.

(12 marks)

5. Describe the general characteristics of children with spastic and flaccid CP. Also highlight on their speech deficits.

OR

6. Discuss the general characteristics of Gilles de la Tourette syndrome.

(12 marks)

7. Write a comprehensive assessment protocol for childhood apraxia of speech.

OR

8. Discuss the various approaches to the management of childhood apraxia of speech.

(12 marks)

9. Discuss the different types of AAC methods used in children with cerebral palsy and childhood apraxia.

(12 marks)

OR

10. What are the factors to be considered while choosing an AAC device for a child with quadriplegic cerebral palsy?

(12 marks)

11. **Write short notes on the following:**

- 11A. Corticospinal tract
- 11B. Functions of brainstem
- 11C. Isotonic Exercises
- 11D. Diplegia
- 11E. Ataxia
- 11F. Pathological reflexes
- 11G. Syntactic errors in childhood apraxia
- 11H. Associated conditions in childhood apraxia
- 11I. Direct selection techniques used in AAC
- 11J. Iconicity in AAC

(2 marks × 10 = 20 marks)



MANIPAL UNIVERSITY**FOURTH SEMESTER B.A.S.L.P. DEGREE EXAMINATION – AUGUST 2017****SUBJECT: DIAGNOSTIC AUDIOLOGY: PART 2 (B 4.3)**

Friday, August 18, 2017

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL the questions.**

1. With a neat diagram describe the acoustic reflex pathways.

(12 marks)

OR

2A. Write an essay on methods to predict behavioural hearing thresholds using acoustic reflex.

2B. Write a short note on multicomponent tympanometry.

(6+6 = 12 marks)

3. With a neat schematic diagram describe the instrumentation for recording auditory evoked potentials.

(12 marks)

OR

4A. Name the generators of ASSR. Discuss the factors affecting ASSR.

4B. Write a short note on near-field and far-field recording of AEPs.

(6+6 = 12 marks)

5A. What is an oddball paradigm? Describe the protocol to record MMN.

5B. List the application of MMN.

(8+4 = 12 marks)

OR

6. Discuss the stimulus, acquisition and subject related factors affecting middle latency response.

(12 marks)

7. Write an essay on DPOAEs.

(12 marks)

OR

8A. Discuss the clinical applications of otoacoustic emissions.

8B. Write a short note on interpretation of TEOAE and DPOAE.

(6+6 = 12 marks)

- 9A. Write an essay on VEMP.
9B. Write a note on glycerol test.

(6+6 = 12 marks)

OR

10. Write an essay on caloric test.

(12 marks)

11. Write short notes on the following:

- 11A. Differentiate compensated and uncompensated tympanometry
11B. Write a note on immittance evaluation for screening in children
11C. Discuss the effect of stimulus intensity on ABR
11D. Write a note on click
11E. ABR is not a test for hearing. Comment
11F. Describe non-linear method of recording TEOAE
11G. Differentiate DPOAE and SFOAE
11H. Describe vestibulo-ocular reflex
11I. Write a note on induced nystagmus
11J. Write a note on endogenous and exogenous AEPs

(2 marks × 10 = 20 marks)



MANIPAL UNIVERSITY**FOURTH SEMESTER B.A.S.L.P. DEGREE EXAMINATION – AUGUST 2017****SUBJECT: PEDIATRIC AUDIOLOGY (B 4.4)**

Saturday, August 19, 2017

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

Answer the following questions. Question 11 is compulsory.

1. With the appropriate diagram describe the embryological development of external and middle ear.

OR

2. Describe the development of auditory behavior from 0-2 years. (12 marks)

3A. Describe the long term effects of fluctuating hearing loss present in early childhood.

3B. What are the requirements to initiate universal new-born hearing screening in hospital setup and also highlight the importance of universal new-born hearing screening.

(4+8 = 12 marks)

OR

4. Explain the concept of sensitivity, specificity, positive predictive value and negative predictive value. Give examples.

(12 marks)

5A. Write the protocol to record ABR in a new born.

5B. Briefly write the importance of OAE in new born hearing screening.

(8+4 = 12 marks)

OR

6. Write the need, instrumentation and protocol for hearing screening in schools.

(12 marks)

7. Explain different speech audiometry tests developed in India.

OR

8. Describe the factors that affect speech audiometry in children.

(12 marks)

9. Describe any two CAPD screening tests to evaluate children.

OR

10. What are the signs and symptoms in children with function hearing loss?

(12 marks)

11. Write short notes on the following:

11A. Oticplacode

11B. Development of cochlea

11C. HRR

11D. Sensitivity period

11E. Maximum length sequence

11F. Gradient

11G. SAT

11H. NuChip

11I. Yes-No test

11J. SAAT

(2 marks × 10 = 20 marks)

