

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

Friday, June 02, 2017

Time: 10:00-13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL the questions.**

1. Explain the post natal development of larynx.

OR

2. Define any six acoustic parameters used in the evaluation of voice.

(12 marks)

3. Discuss the management options available for hyperfunction voice disorders.

OR

4. Delineate the voice characteristics and management in UMN and LMN lesion.

(12 marks)

5A. Discuss the role of otolaryngologist in evaluation of voice disorders.

5B. Write a note on any one instrument that can be used in the visual examination of larynx.

(6+6 = 12 marks)

OR

6A. Write a note on stroboscope working principle with advantages and disadvantages.

6B. Write a note on laryngoscope.

(8+4 = 12 marks)

7. Plan an assessment protocol for individuals with laryngectomy based on ICF.

OR

8. Compare esophageal and TEP speech based on acoustic and perceptual features.

(12 marks)

9A. "Assessment of voice problems is unique among professional voice users compared to other voice disorders". Comment.

9B. Write a note on Inhalation phonation technique.

(8+4 = 12 marks)

OR

10A. Who are normative and emotive professional voice users? What special care you have to take in management of their voice.

10B. Write a note on Confidential voice therapy.

(8+4 = 12 marks)

11. Write short notes on the following:

- 11A. Mean airflow rate
- 11B. Chink in the glottis
- 11C. Laryngeal stenosis
- 11D. Androphonia
- 11E. Cepstrum analysis of voice
- 11F. Direct laryngoscope
- 11G. Primary Tracheosophageal puncture
- 11H. Duckbill prosthesis
- 11I. Closure enhancement technique
- 11J. Vocal nap

(2 marks × 10 = 20 marks)



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

Monday, June 05, 2017

Time: 10:00-13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL the questions.**

1A. Briefly describe any two ascending tracts with illustration.

1B. What are the different types of neurons?

(8+4 = 12 marks)

OR

2A. Describe the functions of the cerebellum.

2B. Describe the neuro-muscular junction with appropriate illustration.

(6+6 = 12 marks)

3A. Elaborate on the speech subsystems affected in children with Cerebral Palsy.

3B. Describe any one oral reflex seen in a new born child.

(10+2 = 12 marks)

OR

4. How do you go about the speech assessment of children with Cerebral Palsy?

(12 marks)

5A. What do you mean by Ballismus? How is it different from tremor?

5B. Elaborate on Myoclonus.

(8+4 = 12 marks)

OR

6. Explain in detail the syndrome of Duchenne muscular dystrophy. How does it cause a speech impairment?

(12 marks)

7. How do you go about the assessment of a child with apraxia of speech? Explain in terms of the subjective and objective based assessment procedures.

OR

8. What is Developmental Apraxia of Speech? Describe the most common causes leading to apraxia of speech.

(12 marks)

9. Not all children with motor speech disorders are candidates to use an AAC system. Why?

(12 marks)

OR

10A. Which are the pragmatic situations in which AAC systems can be used?

10B. Write a brief note on Aided AAC.

(8+4 = 12 marks)

11. Write short notes on the following:

- 11A. Thalamus
- 11B. Action Potential
- 11C. Diadochokinetic Rate
- 11D. Bobath approach
- 11E. Athetosis
- 11F. Disorder of coordination
- 11G. Sequencing errors in apraxia
- 11H. Nonverbal oral apraxia
- 11I. Iconicity in AAC
- 11J. Devices for Head support

(2 marks × 10 = 20 marks)



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

Wednesday, June 07, 2017

Time: 10:00-13:00 Hrs.

Max. Marks: 80

Answer ALL the questions.

1. Explain the principles of immittance audiometry.

OR

2. With the help of neat diagram explain Jerger box patterns.

(12 marks)

3. Explain factors affecting auditory brainstem responses.

(12 marks)

OR

4A. Discuss the applications of ASSR.

4B. Write the protocol to record ABR for site of lesion testing.

(6+6 = 12 marks)

5A. Discuss factors affecting late latency responses.

5B. Describe the clinical applications of late latency responses.

(8+4 = 12 marks)

OR

6A. Compare and contrast MMN and P300.

6B. Discuss the applications of MLR.

(12 marks)

7. With a neat diagram describe the instrumentation for recording SOAEs. Describe methods to record SOAEs.

OR

8. Briefly explain clinical applications of OAE.

(12 marks)

9. Write an essay on pathway and clinical applications of VEMP.

(12 marks)

OR

10A. Write a note on glycerol test.

10B. Describe the assessment of BPPV.

(4+8 = 12 marks)

11. **Write short notes on:**

11A. Difference between compensated and uncompensated tympanometry

11B. Reflex decay test

11C. Generation site of ABR

11D. Filter setting for acquisition of ABR

11E. Write a note on electrode impedance

11F. Interpretation of ASSR

11G. DP gram

11H. Contralateral suppression of OAE

11I. Types of Nystagmus

11J. VNG

(2 marks × 10 = 20 marks)



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

Friday, June 09, 2017

Time: 10:00-13:00 Hrs.

Max. Marks: 80

✍ Answer the following questions. Question 11 is compulsory.

1A. Why knowledge of embryology is important for audiologists?

1B. Write a note on embryonic development of inner ear.

(6+6 = 12 marks)

OR

2A. Briefly discuss the embryologic development of middle ear ossicles and auditory tube.

2B. Write a note on pre-natal hearing.

(8+4 = 12 marks)

3A. Write the need for early identification of hearing loss.

3B. Describe any two behavioural tests of pediatric hearing screening.

(6+6 = 12 marks)

OR

4A. Write the need and requirements for universal new-born hearing screening.

4B. What is HRR? Discuss the merits and demerits of HRR based hearing screening.

(6+6 = 12 marks)

5. Explain the similarities and differences in recording protocol and morphology of ABR between newborns and adults.

OR

6. Discuss how mass media can help in hearing screening programmes.

(12 marks)

7. What are the differences between BOA and VRA?

OR

8. Explain procedure for speech identification score in children.

(12 marks)

9. Describe any two formal tests to detect threshold in children with functional hearing loss.

OR

10. Briefly discuss maturational effect on cortical and subcortical CAPD tests in children.

(12 marks)

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

- 11A. Mondini dysplasia
- 11B. Ectoderm
- 11C. Concept of critical age
- 11D. PTA screening
- 11E. DPOAE screening
- 11F. ALGO
- 11G. Swing story test
- 11H. Play audiometry
- 11I. Auditory figure-ground
- 11J. Ling's sound test

(2 marks × 10 = 20 marks)

