MANIPAL UNIVERSITY

THIRD SEMESTER B.A.S.L.P. DEGREE EXAMINATION – AUGUST 2017

SUBJECT: ARTICULATION AND PHONOLOGICAL DISORDERS (B 3.1)

Wednesday, August 16, 2017

Time: 14:00-17:00 Hrs.   Max. Marks: 80

✎   **Answer ALL questions.**

1A.   What is phonology?

1B.   Discuss in detail about the phonological development from birth to 2 years.

(2+10 = 12 marks)

OR

2A.   What is co-articulation? Discuss various types of co-articulation with examples.

2B.   Describe the prosodic and cognitive models of phonological development.

(4+8 = 12 marks)

3.   Describe the syllable structure phonological processes with examples.

OR

4.   Discuss the types of phonetic transcription methods and their applications in perceptual analysis of speech.

(12 marks)

5A.   Define ankyloglossia and its effects on speech sound production.

5B.   Discuss the various structural abnormalities related to dentition and their effects on articulation.

(4+8 = 12 marks)

OR

6.   Discuss the various personal characteristics affecting the articulation and phonological skills in children.

(12 marks)

7.   Discuss any two tests used in screening articulation disorders in children.

(12 marks)

OR

8A.   Differentiate between independent analysis from relational analysis.

8B.   Discuss the applications of distinctive features in assessment of phonological disorders.

(4+8 = 12 marks)

9.   Discuss any two approaches used in treatment of phonological disorders.

OR

10.   Describe any two approaches used in treatment of articulation disorders.

(12 marks)

11. Write short notes on the following.

11A. Fricatives vs. affricates

11B. Voicing

11C. Distinctive features

11D. Formant transition

11E. Velopharyngeal incompetency

11F. Apraxia of speech

11G. Inter-subject speech discrimination

11H. Micrognathia

11I. Short term goal

11J. Selecting target sound for training

(2 marks × 10 = 20 marks)

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THIRD SEMESTER B.A.S.L.P. DEGREE EXAMINATION – AUGUST 2017
SUBJECT: MAXILLOFACIAL ANOMALIES (B 3.2)

Thursday, August 17, 2017

Time: 14:00 – 17:00 Hrs.   Max. Marks: 80

✍ **Answer ALL the questions.**

✍ **Draw neat labeled figures wherever appropriate.**

1A. Write a note on facial clefts.

1B. Describe the environmental factors causing cleft lip and palate.

                                                                    (4+8 = 12 marks)

OR

2A. Describe the "triad of symptom" in submucous cleft palate.

2B. Write a note on congenital palato pharyngeal incompetency.

                                                                    (4+8 = 12 marks)

3. Explain the speech problems associated with velophrayngeal dysfunction.

                                                                        (12 marks)

OR

4A. What are the effects of palatal fistula on speech.

4B. Explain the terms: compensatory articulation, compensatory maladaptation.

                                                                    (8+4 = 12 marks)

5. **Explain the following simple techniques:**

5A. Cul-de- sac test

5B. Tongue – anchor technique

5C. Oral nasal air paddle technique

                                                                        (12 marks)

OR

6A. What is nasometry?

6B. Write a note on the interpretation of the nasogram.

                                                                    (2+10 = 12 marks)

7. Plan a therapy program for a 32 year old patient with fitted with speech bulb obturator.

OR

8. Write a note on muscle training program for the improvement of velopharyngeal activity.

                                                                        (12 marks)

9. Delineate the rehabilitation strategies for dysphagia following mandibulectomy.

OR

10. Describe the assessment procedure for a patient with partial mandibulectomy.

(12 marks)

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

11A. Bifid Uvula

11B. Incomplete cleft lip

11C. Labioversion

11D. Composition of cleft team

11E. Circular pattern

11F. Interdisciplinary team

11G. Low tech therapy materials

11H. Palatal lift prosthesis

11I. Intrinsic muscles of tongue

11J. Trismus

(2 marks × 10 = 20 marks)

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THIRD SEMESTER B.A.S.L.P. DEGREE EXAMINATION – AUGUST 2017

SUBJECT: DIAGNOSTIC AUDIOLOGY: PART I (B 3.3)

Friday, August 18, 2017

Time: 14:00 – 17:00 Hrs.   Max. Marks: 80

✍ **Answer ALL the questions.**

1.   Justify the need for use of test battery approach for hearing assessment.
                                          OR
2.   List the indicators of cochlear and retrocochlear lesions.

                                                                                              (12 marks)

3.   Write an essay on SISI. Highlight its advantages.
                                          OR
4.   Write an essay on theories to explain recruitment.

                                                                                              (12 marks)

5.   Describe in detail any two tests of pseudohypacusis to measure hearing aquity.
                                          OR
6.   Describe rationale, procedure and interpretation of Doefler-Stewart test. Highlight its advantages and limitations.

                                                                                              (12 marks)

7.   Write a note on redundancy. Discuss the rationale of low redundancy speech tests. Describe procedure and interpretation of any two monaural low redundancy speech tests.
                                          OR
8.   Describe rationale, procedure and interpretation of RASP, BFT and MLD.

                                                                                              (12 marks)

9.   Write an essay on tests to assess temporal ordering.

                                                                                              (12 marks)

                                          OR
10A. Discuss the challenges for assessment of CAPD among children.
10B. Write an essay on CST.

                                                                                     (6+6 = 12 marks)

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

11A. Discuss loudness adaptation
11B. Write a note on Bekesy type V audiogram
11C. List advantages and limitations of Bekesy audiometry
11D. Write a note on decruitment
11E. Discuss the effect of response mode on PPT
11F. Discuss the findings of dichotic test in brainstem, cortical and interhemispheric lesions
11G. Discuss the advantages and limitations of dichotic CV test
11H. Discuss the application of delayed auditory feedback in audiology
11I. Describe story test
11J. Discuss the limitations of speech in noise test

                                                                                     (2 marks × 10 = 20 marks)

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THIRD SEMESTER B.A.S.L.P. DEGREE EXAMINATION – AUGUST 2017

SUBJECT: REHABILITATIVE AUDIOLOGY (B 3.4)

Saturday, August 19, 2017

Time: 14:00 – 17:00 Hrs.   Max. Marks: 80

✍ **Answer ALL the questions.**

1.   Discuss in detail the different approaches of speech reading.

OR

2.   What is visual speech perception? How does it help individuals with hearing impairment?

(12 marks)

3A.   Explain the history of auditory training.

3B.   Write a note on Pre-Auditory training assessments.

(4+8 = 12 marks)

OR

4.   Define auditory training. Explain the different approaches used in auditory training.

(12 marks)

5.   Explain the different intervention approaches used in children with CAPD.

OR

6.   How would you improve the communication abilities of an adult who has an acquired hearing loss and poor speech identification abilities?

(12 marks)

7.   What are assistive listening devices (ALDs)? Discuss the signal enhancement technology used for children with hearing impairment.

(12 marks)

OR

8A.   What are the different alerting devices available for hearing impaired?

8B.   Write a short note on median enhancement technology.

(6+6 = 12 marks)

9.   Define the term BAHA. With a neat diagram explain the components and working principle of BAHA.

OR

10.   Write a note on working principle of Middle Ear Implant.

(12 marks)

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

11A. Speech tracking

11B. Informal Auditory training

11C. Group training vs individual training

11D. Repair strategies

11E. High risk factors for hearing impairment

11F. SNR

11G. Brainstem implant

11H. Hyperacusis

11I. BAHA

11J. Candidacy for middle ear implant

(2 marks × 10 = 20 marks)