28 Reg. No. 1 9 2 7 3 0 0 0 4

BAPSLC 251

Credit Based Fourth Semester B.A.S.L.P. Degree Examination, April/May 2011
(2007-08 Batch and Onwards)
VOICE AND LARYNGECTOMY

Time : 3 Hours Max. Marks : 100

UNIT – 1

1. Define normal voice. Explain the physiological, acoustical and aerodynamic correlates of normal voice. 20

OR

2. a) Critically evaluate the different theories of Phonation. 10

   b) Delineate development of voice from birth to senescence. 10

UNIT – 2

3. Explain the etiology, characteristic, assessment, different diagnosis, management of Spasmodic Dysphonic. 20

OR

4. a) Discuss the various therapy techniques in Puberphonia. 10

   b) Critically evaluate the various classification of voice disorders. 10

UNIT – 3

5. Outline the causes, characteristics, assessment and management in vocal hyperfunctional disorders. 20

OR

6. a) What would be your management in Unilateral Adductor Paralysis ? 10

   b) Prepare a vocal hygiene program for a client who is 60 years old with hoarseness of voice associated with hearing loss. 10

P.T.O.

UNIT – 4

7. Who are professional voice users ? What are your recommendations to a professional singer regarding voice care ? 20

OR

8. a) Discuss the role of resonance in normal and abnormal voice. 10

b) Define Laryngectomy. Give the etiology, characteristics in laryngeal cancer. 10

UNIT – 5

9. Discuss the various voice restoration options available to a laryngectomee 20

OR

10. a) Elaborate on the counselling strategies both pre and post operative with laryngectomy patients. 10

b) Enumerate on different types of air intake procedures of esophageal speech. 10

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30 Reg. No. 0 9 2 7 3 0 0 2

BAPSLC 252

Credit Based IV Semester B.A.S.L.P. Degree Examination, May 2011
(2007-08 Batch and Onwards)
AMPLIFICATION AND ASSISTIVE DEVICES FOR THE HEARING IMPAIRED (Old Syllabus)

Time : 3 Hours Max. Marks : 100

Note : Answer all questions.

UNIT – 1

1. a) Describe the historical development of electrical hearing aids. 10

   b) Compare and contrast monaural, binaural and pseudo binaural hearing aids. 10

OR

2. a) Describe any five types of CROS hearing aids. 10

   b) Write a note on master and frequency transposition hearing aids. 10

UNIT – 2

3. a) Write an essay on measurement and interpretation of any four electro acoustic properties of a hearing aid. Write with reference to any one standard. 10

   b) Discuss the various amplification devices that can be used in classroom for children with hearing loss. 10

OR

4. a) Write the need for electroacoustic measurements and standards. 10

   b) Explain the instrumentation for electroacoustic measurements with the help of neat block diagram. 5

   c) Write on substitution and comparison method of calibration. 5

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P.T.O.

UNIT – 3

5. a) Elaborate the factors to be considered prior to fitting hearing aids for the elderly hearing impaired individual. 10

b) Write a note on audiological line of management of conductive hearing loss. 10

OR

6. a) Describe any four threshold based approach for the prescription of gain frequency response. 10

b) Explain the various articulation index procedure that can be used for hearing aid fitting. 10

UNIT – 4

7. a) Write an essay on acoustic modifications of ear mould. 10

b) How would you trouble shoot a body level hearing aid brought to you with the complaint of malfunction ? 10

OR

8. a) Discuss on different types of ear moulds. 10

b) What would you counsel the parents of 2 years old child who is newly fitted with hearing aid ? 10

UNIT – 5

9. a) Delineate the factors that predict the success of cochlear implantation. 10

b) Explain the methods to improve telecommunication technologies for individual with hearing impairment. 10

OR

10. a) Write on candidacy selection for cochlear implants. 10

b) How would you assess the benefit of cochlear implant ? 10

32

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BAPSLC 253

Credit Based Fourth Semester B.A.S.L.P. Degree Examination, May 2011
(2007-08 Batch and Onwards) (Old Syllabus)
DIAGNOSTIC AUDIOLOGY (Part – 2)

Time : 3 Hours Max. Marks : 100

UNIT – 1

1. Describe an electrophysiological procedure for estimating hearing threshold. 20

OR

2. Discuss the basic components of an AEP equipment and list the ABR parameters and their application. 20

UNIT – 2

3. Discuss the origin, types and instrumentation of otoacoustic emissions. 20

OR

4. Describe various tests to evaluate Vestibular system. 20

UNIT – 3

5. Write short notes on : (5×4=20)

a) Doefler-Stewart test

b) DAF test

c) Stenger test

d) Fusion inferred test

OR

6. Discuss the behavioral symptoms of functional hearing loss and describe the importance of case history in the evaluation of pseudohypacusis. 20

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UNIT – 4

7. a) What are central auditory processing disorders ? Describe briefly the characteristics of CAPD. 10

   b) Explain the two tests : Staggered spondaic word test, Synthetic sentence identification with ipsilateral and contralateral competing message. 10

OR

8. Identification of central auditory lesion is more difficult than detection of peripheral lesion. Discuss. 20

UNIT – 5

9. What are indication for administering audiological tests to identify central auditory processing disorders, retrocochlear pathology, cochlear pathology and functional hearing loss ? 20

OR

10. What is the need for test battery approach and integration of results of audiological tests in the diagnosis of auditory disorders ? 20

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34

BAPSLC 254

Credit Based IV Semester B.A.S.L.P. Degree Examination, May 2011
ELECTRONICS AND ACOUSTICS
(2007-08 Batch and Onwards) (Old Syllabus)

Time : 3 Hours Max. Marks : 100

Note : Answer any five questions.

UNIT – 1

1. Define Simple Harmonic Motion ? How do you explain complex vibrations and vibrations spectra. 20

OR

2. Write about : (5×4=20)

   a) Progressive waves

   b) Sound waves

   c) Wave propagation

   d) Dopler effect

UNIT – 2

3. Describe :

   i) Physical and psychophysical scale

   ii) Fourier analysis of complex tone. 20

OR

4. a) Define Acoustics. Explain sound propagation in outdoor and indoor. 10

   b) Write a note on sound field in listening rooms and listening with earphones. 10

P.T.O.

UNIT – 3

5. What is an Amplifier ? Write the different types of Amplifier and its application in Audiological instruments. 20

OR

6. Write short notes on :
   a) A.C. and D.C. current.
   b) Power supply. (2×10=20)

UNIT – 4

7. Write a note on : (5×4=20)
   a) Stero phonic recording
   b) Magnetic tape recording
   c) Digital tape recording
   d) High fedility recording

OR

8. Define loud speakers. Write a note on types and efficiency of loud speakers. 20

UNIT – 5

9. Write short notes on : (2×10=20)
   1) Types of transistors
   2) Linear and digital I.C.

OR

10. With a neat diagram explain the functioning of sound level meter. 20