36

Reg. No. | | | | | | | | | |

BAPSLC 251

Credit Based B.A.S.L.P. IV Semester Examination, May/June 2010

VOICE AND LARYNGECTOMY

(New Syllabus) (2007-08 Batch and Onwards)

Time : 3 Hours Max. Marks : 100

Instructions :1) Answer all questions.

2) All questions carry equal marks.

UNIT – 1

1. a) Explain the intrinsic and the extrinsic laryngeal muscles with innervation. 10

   b) Explain the various subjective measurements of voice. 10

OR

2. a) Explain the theories of phonation and list the characteristics of normal voice. 10

   b) Describe the factors that influence the development of voice. 10

UNIT – 2

3. Describe the various causes of abnormal voice and classify them. 20

OR

4. Explain the symptoms, causes and management for vocal abuse and plicaventricularis. 20

UNIT – 3

5. What are the signs and symptoms of vocal cord paralysis ? Enumerate the types and characteristics of the same. 20

OR

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P.T.O.

6. a) Explain the various management strategies for the unilateral vocal cord paralysis. 10

b) Write short notes on :

i) Voice problems in Geriatric population. 5

ii) Congenital voice disorders. 5

UNIT – 4

7. Explain the various resonatory disorders. Describe the management of hypernasality. 20

OR

8. a) Define Laryngectomy. What are the various causes, types and symptoms of laryngeal cancer ? 15

b) What are the types of laryngeal surgery ? 5

UNIT – 5

9. What are the treatment options available for individuals with total laryngectomy. Write a note on voice prosthesis. 20

OR

10. a) What is artificial larynx ? List the advantages and disadvantages. 10

b) Explain the pre-operative counselling for laryngectomy. 10

38

Reg. No. | | | | | | | | | |

BAPSLC 252

Credit Based/IV Semester Bachelors in Audiology and Speech Language Pathology Examination, May/June 2010
(New Syllabus) (2007-08 Batch and Onwards)

AMPLIFICATION AND ASSISTIVE DEVICES FOR THE HEARING IMPAIRED

Time : 3 Hours Max. Marks : 100

Instructions : 1) All questions carry equal marks.
2) Answer all questions.

UNIT – I

1a. Write briefly the history of hearing aids. 10

1b. Write notes on : 10

i) Frequency transposition hearing aids.

ii) In the canal hearing aids.

OR

2a. Describe about the compression as an output limiting system in the hearing aids. 10

2b. Write a note on digital hearing aids. 10

UNIT – II

3. Discuss any four group amplification systems with their advantages and disadvantages. 20

OR

4a. Describe the purpose of electro-acoustic measurements. 5

4b. Describe any standard procedure for EAC. measurement. 15

P.T.O.

UNIT – III

5. Describe how the audiological and non-audiological factors are essential for hearing aid selection. 20

OR

6a. Describe any three linear prescriptive formulae for hearing aid selection. 15

6b. Describe the hearing aid selection procedure through ABR. 5

UNIT – IV

7a. How will you counsel a parent of a child who has recently been fitted with the hearing aid ? 15

7b. Explain the various options to procure the hearing aids under government scheme. 5

OR

8a. Describe the physical style modification in earmolds. 10

8b. Differentiate : 10

i) Hard vs Soft mold

ii) Venting vs Horn effect.

UNIT – V

9a. What are ALDs ? Describe the ALD that are used for telephone communication. 10

9b. Write a note on tactile aids. 10

OR

10a. Describe the parts and working of cochlear implants. 15

10b. Write a note on Mapping. 5

40

Reg. No. | | | | | | | | | |

BAPSLC 253

Credit Based IV Semester B.A.S.L.P. Degree Examination, May/June 2010
(New Syllabus) (2007-08 Batch and onwards)
DIAGNOSTIC AUDIOLOGY Part – II

Time : 3 Hours

Max. Marks : 100

Note : 1) Write all questions.
2) All questions carry equal marks.

UNIT – 1

1. Write short notes on : (5×4=20)
   a) Very early response
   b) Common mode rejection
   c) L-I function of conductive hearing loss
   d) Origin of ABR peaks.

OR

2. Describe an objective procedure for estimating threshold in a difficult to test population. 20

UNIT – 2

3. Describe the instrumentation, types and interpretation of OAEs. 20

OR

4. Describe the instrumentation, test procedure and interpretation of Electronystagmography. 20

UNIT – 3

5. Write short notes on : (5×4=20)
   a) DAF test
   b) Swinging story test
   c) Fusion inferred test
   d) Doefler-Stewart test

OR

P.T.O.

6. Discuss the behavioural symptoms of functional hearing loss. Explain the principle and procedure of Stenger test. 20

UNIT – 4

7. "Identification of central lesion is more difficult than detection of peripheral lesion". Discuss. 20

OR

8. Write short notes on : (5×4=20)

   a) Filtered speech test

   b) Rapidly alternating speech test

   c) SSI-CCM

   d) Time altered speech test

UNIT – 5

9. Discuss the need for test battery approach in auditory diagnosis. 20

OR

10. Describe in detail the indication for administering audiological tests to identify cochlear pathology, retrocochlear pathology, pseudohypacusis and CAPD. 20

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42 Reg. No. 0 8 2 6 9 0 0 0 2

BAPSLC 254

Credit Based Fourth Semester B.A.S.L.P. Examination, May/June 2010
(New Syllabus) (2007-08 Batch and Onwards)
BASIC ELECTRONICS AND ACOUSTICS

Time : 3 Hours Max. Marks : 100

Instructions : 1) Answer all questions.
2) All questions carry equal marks.

UNIT – 1

1. a) Define Doppler effect. Obtain the expression for the apparent frequency of the sound heard for the following cases :
   i) moving observer, source at rest
   ii) moving source, observer at rest
   iii) both source, observer at rest.

   b) Define sound wave. Explain how the sound waves are produced. What are the properties of sound wave ?

   c) What are the differences between progressive and stationary wave ? (10+6+4)

OR

2. a) Explain the concept of resonance with examples. Explain the construction and working of Helmholtz resonator.

   b) Explain absorption and interference of sound wave.

   c) Write a note on forced and resonant vibrations. (10+5+5)

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UNIT – 2

3. a) Explain Fourier analysis of complex tones. What are the limitations of Fourier's theorem ?

b) Define phon and sone. Explain how loudness related to loudness level and sound pressure.

c) Write a note on air absorption of sound. (10+6+4)

OR

4. a) Describe the acoustic feed back and equalization.

b) Explain with necessary theory the formation of beats. What are their characteristics ?

c) Explain the loudness of complex tones. (10+5+5)

UNIT – 3

5. a) What is an oscillator ? Describe the construction and working of phase shift oscillator.

b) Write a note on Velocity microphone.

c) What are the difference between A.C. and D.C. currents ? (10+6+4)

OR

6. a) Draw the circuit diagram of a full wave rectifier with a capacitor input filter. Draw the input and output voltage waveforms under load. Add a note on the circuit operation.

b) What are filters ? Differentiate between low pass and high pass filters.

c) Describe the amplifying action of transistor. (10+5+5)

UNIT – 4

7. a) What are transducers ? With the help of suitable diagram explain the principle and working of dynamic loudspeaker.

b) Define : i) Tape Noise ii) Tape speed

c) Explain digital tape recording system. (10+5+5)

OR

8. a) Explain the magnetic tape recording.

Write notes on :

b) Baffles and enclosures

c) The distortion in loudspeaker. (10+5+5)

UNIT – 5

9. a) Explain briefly the Cathode Ray Oscilloscope.

b) Write a short note on microprocessors.

c) Describe voltmeter and its function. (10+6+4)

OR

10. a) Explain the linear and digital integrated circuits. List the advantages of integrated circuit over discrete components.

b) Write short notes on :

i) Sound level meter

ii) Spectrum analyser. (10+10)

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45

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BAPSLC 352

Credit Based VI Semester B.A.S.L.P. Degree Examination, May/June 2010
(New Syllabus) (2008 – 09 Batch and Onwards)
FLUENCY AND ITS DISORDERS

Time : 3 Hours Max. Marks : 100

Instructions : 1) Answer all questions.
2) All questions carry equal marks.

UNIT – I

1. a) Define fluency. Describe the factors influencing the development of fluency. 15

   b) Discuss the role of prosody in fluency disorders.

OR

2. a) Describe the methods of evaluation of fluency. 10

   b) Describe the development of prosodic features. 10

UNIT – II

3. Write a note on : 20

   a) Adaptation effect.

   b) Consistency effect.

   c) Stuttering and heredity.

   d) CORE Behaviour of normal fluency.

OR

4. a) Differentiate primary and secondary stuttering. 10

   b) Differentiate developmental and neurogenic stuttering. 10

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UNIT – III

5. Describe demand capacities model and diagnosogenic theory and discuss treatment procedures based on these theories. 20

OR

6. Describe the general procedures used in the evaluation of stuttering. 20

UNIT – IV

7. a) What counselling you would give to the mother of a 2½ years old child with normal nonfluency ? 10

   b) Describe the maintenance strategies used to avoid relapse of stuttering in a 20 years old male. 10

OR

8. Describe a comprehensive treatment protocol for a 6 years old school going stutter. How do you measure the effectiveness of therapy ? (15+5=20)

UNIT – V

9. a) Describe the assessment procedure used in the evaluation of cluttering. 15

   b) What counselling you would give to the family members of a clutterer ? 5

OR

10. a) Describe the differentiating characteristics of neurogenic stuttering with other fluency disorders. 15

    b) Write a note on therapy procedure for neurogenic stuttering. 5

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