

MSCSP/LC010

II M.Sc III Semester Examination, Nov./Dec. 2004

(Semester Scheme)

Speech-Language Pathology

Fluency and its Disorders

Time: 3 Hours

Total Marks: 80

Instruction: Answer all questions.

- I. 1.a) Describe the moments of stuttering as a physiological breakdown. 10**
- 1 .b) Discuss the factors that you would consider while assessing 'rate of speech'. 6**
- OR**
- 2. a) Give a brief out line of the principles of Covert Repair Hypothesis. Explain the moments of stuttering based on the above hypothesis. Illustrate where necessary. 8**
- 2. b) Discuss the linguistic factors that affect development of fluency. 8**
- II. 3. Compare and contrast Adam's view of 'Stuttering as a defect in airflow and vocalization and Schwartz's view of "Stuttering as a learnt extricator response to a laryngeal abductor reflux". 16**
- OR**
- 4. Critically evaluate research output in the area of laryngeal dynamics in fluency disorders. 16**
- III. 5. a) Discuss the effects of neural development and processing on speech fluency. 10**
- 5. b) Devise a method using the 'reaction time paradigm' to study the speech motor control in stuttering individuals. 6**
- OR**
- 6. a) Utilize any one motor control model to explain the moments of stuttering. 10**
- 6. b) Devise an assessment protocol from a speech motor control perspective. 6**
- IV. 7. a) List and discuss the factors influencing relapse in stuttering. 10**
- 7. b) Describe therapy techniques used in children with stuttering. 6**
- OR**

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8. a) Critically evaluate any one theory of stuttering. 10
8. b) What are the factors that influence the choice of a particular therapeutic strategy for management of stuttering ? 6
- V. 9. a) Discuss the methods of strategies used for managing 'Cluttering'. 10
9. b) Discuss the usefulness of 'self help' strategies for stutterers. 6
- OR**
10. a) Discuss cluttering as a central language imbalance. 10
10. b) How would you assess the efficacy of therapy in stuttering ? 6

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II M.Sc. III Semester Examination,, November/December 2004
(Semester Scheme)
Speech and Hearing
Speech-Language Pathology
Speech and Language Processing

Time: 3 Hours

Max. Marks: 80

Instruction: Answer all questions.

- Unit 1 1.a) Critically evaluate the motor theory of speech perception. 6
- b) What is direct realistic approach ? Discuss the basis, advantages and disadvantages of the approach. 10
- OR
2. a) Discuss Bhartrihari's theory of speech perception. 8
- b) Describe Abbs and Sussman's theory of speech perception and highlight the advantages and disadvantages. 8
- Unit 2 3. a) Describe the acoustic cues of voicing in stop consonants. 10
- b) Compare and contrast the acoustic cues of affricates and fricatives. 6
- OR
4. a) Describe the acoustic cues of word-medial stop consonants. 8
- b) Describe lower limit, upper limit and boundary width in identification discrimination curve. How are they useful in understanding phonetic perception ? 8
- Unit 3 5. a) Describe any four methods of spoken word recognition. 10
- b) Explain phonetic categorization task, phoneme restoration task and phoneme maintenance task. 6
- OR
6. a) How do contextual cues in a sentence affect phonetic identification ? 8
- b) Delineate cross-modal priming and McGurk effect. 8

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- Unit 4**
7. a) **Illustrate the importance of study of acquired dyslexias in the understanding of visual word recognition.** 8
- b) **Discuss modular Vs. interactive modes of context effects.** 8
- OR**
8. a) **Highlight the evidences obtained from analyzing surface and deep dyslexias for visual word recognition.** 8
- b) **Discuss semantic priming phenomenon.** 8
- Unit5**
9. a) **Discuss the empirical studies of attachment ambiguity.** 8
- b) **Discuss the various types of anaphoras.** 8
10. a) **Discuss the studies on verb information, thematic fit and argument assignment.** 8
- b) **How does discourse context affect ambiguity resolution ?** 8
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III Semester II M.Sc. Examination, Nov./Dec. 2004
(Semester Scheme)
Speech-Language Pathology
Aphasia

Time : 3 Hours

Max. Marks: 80

Instruction : Answer all questions.

- I. 1. a) What do you understand of the term 'disconnection Syndromes' ? 6
b) List the different disconnection syndromes. 10
- OR
2. a) Is aphasia a 'unitary or multiple disorder' ? 6
b) Justify your choice. 10
- II. 3. a) What is agrammatism ? 8
b) How is it manifested in inflected languages ? 8
- OR
4. a) What is 'Paragrammatism' ? 8
b) Is it a syntactic or Semantic disorder ? 8
- III. 5. a) Describe, in detail, the purposes for which aphasia measures are obtained. 12
b) How would you differentiate apraxia of speech from construction aphasia ? 4
- OR
6. a) How different is testing for aphasia in children from that in adults ?
What are the problems encountered ? Describe any one test available for aphasia examination in children. 10
b) Describe how would you test for 6
i) Naming errors in Broca's aphasics
ii) Word-retrieval errors in Wernicke's aphasia.

IV. 7. a) What are the communicative needs of an aphasic in the immediate post onset period ? How would you meet these needs ? 12

b) Write a short note on thematic language Stimulation Therapy. 4

OR

8. a) What is the role of the family in the Management aphasia in the Indian context ? How would you counsel for the same ? 10

b) How do you use computers and softwares in communication therapy for aphasics ? What are its limitations or drawbacks ? 6

V. 9. a) What is primary progressive aphasia'. 8

b) What is the SLP's role in the management of the same. 8

OR

10. a) Who is Ursula Bellogi ? 8

b) What is her contribution to our understanding of language and the brain ? 8

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II M.Sc. III Semester Examination, Nov./Dec. 2004
(Semester Scheme)
Speech-Language Pathology
Voice and its Disorders

Time: 3 Hours

Max. Marks: 80

Instruction: All questions are compulsory. (Supplement with diagram wherever necessary)

- I. 1. (a) Explain the structure and functions of extrinsic laryngeal muscles. 8
(b) Compare and contrast one-mass model and two-mass model. 8
OR
2. (a) Explain the methods of measuring vocal fold vibration. 8
(b) Explain the vibratory modes of vocal folds. 8
- II. 3. (a) Describe the use of aerodynamic tests in voice evaluation. 10
(b) Explain the importance of amplitude perturbation measurements. 6
OR
4. (a) Explain any one software-based instrumental voice analysis procedure for evaluating hypo and hyper-nasality. 8
(b) What is EGG ? Describe the procedure and precautions to be taken in obtaining EGG. 8
- III. 5. (a) Describe the acoustical and perceptual measures in normal and harsh voices. 12
(b) What are the voice abnormalities seen in subjects with cri-du-chart syndrome ? 4
OR
6. (a) Describe laryngeal papillomas and the voice problems associated with it. 8
(b) Explain the usefulness of endotracheal intubation in the management of bilateral vocal fold paralysis. 8

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- IV. 7. (a) Describe voice characteristics of transsexuals. 8**
(b) Describe voice characteristics in the elderly. 8

OR

- 8. (a) Explain the factors related to the replacement of voice prosthesis. 6**
(b) Contrast the site of the neoglottis for TEP speech and NTL shunt speech. How can the clinician help others to differentiate these two types of speech ? 10

- V. 9. (a) Discuss occupational risk factors and voice disorders. 8**
(b) Differentiate effects and causes of vocal nodules and vocal polyps. 8

OR

- 10. (a) Describe a vocal hygiene program. 10**
(b) Describe the importance of ear training in voice/vocal rehabilitation. 6
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II M.Sc. (III Semester) Examination, November/December 2004

(Semester Scheme)

Speech Language Pathology

Suprasegmental and Music Acoustics

Time: 3 Hours

Max. Marks: 80

Instruction: Answer all questions.

- Unit I. 1. a) What is the relation between different notes in music ? 6**
b) Discuss circle of fifths. 10
- OR**
- 2. a) Discuss the working principle of any two musical instruments. 8**
b) Compare and contrast Pythagorean and mean tone temperament scales. 8
- Unit II. 3. a) What are the acoustic characteristics of singing ? 10**
b) Describe base pitch in singing and tremor. How do you measure them ? 6
- OR**
- 4. a) Design a therapy method for a singer who can not raise his pitch. 8**
b) Describe the phonatory basis of singing. 8
- Unit III. 5. a) Discuss the different types of stress. 10**
b) Describe any two methods of representing intonation. 6
- OR**
- 6. a) Describe the tests of intonation and rhythm. 8**
b) Discuss any two therapy techniques for the remediation of monotony. 8
- Unit IV. 7. a) Discuss the various types of dysprosody. 8**
b) Discuss various views on the processing of prosodic features. 8
- OR**

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8. a) Discuss research findings on the impaired prosodic functions in left hemisphere damaged. 8

b) Which suprasegmentals are retained in nasous with right hemisphere damaged with lesion in Wernicke's area ? 8

Unit V. 9. a) Discuss variations of stress patterns in any two languages. 8

b) Discuss the prosodic features in hearing impaired. 8

OR

10. a) Discuss the multicultural variations in suprasegementals. 8

b) Which suprasegmentals are affected in an aphasic who speaks a tonal language? 8