

B.Sc. (VI Semester) Examination, April/May 2005
(Semester Scheme)
Speech and Hearing
Dysarthria and Apraxia

Time: 2 Hours

Max. Marks: 50

Instruction : Answer all questions.

- I. 1. Define dysarthria. What are the infectious conditions that cause dysarthria ?
Briefly explain the clinical features of these conditions. 10
OR
2. a) Differentiate between upper motor neuron lesion and lower motor
neuron lesion. 8
b) Briefly explain ataxic dysarthria. 2
- II. 3. a) What are the advantages and disadvantages of instrumental assessment
method in dysarthria ? 6
b) Briefly explain any one perceptual assessment scale for dysarthria. 4
OR
4. Explain various physiological and electro-physiological methods of
dysarthria assessment. 10
- III. 5. a) Write a note on surgical approach to dysarthria to improve phonation. 5
b) How do you employ oral sensory motor facilitation techniques in
dysarthria management ? 5
OR
6. a) "Vegetative exercises are less relevant in dysarthria management."
Discuss. 6
b) What prosthetic management methods are suitable in improving
articulation in dysarthrics ? 4
- IV. 7. a) Profile the speech characteristics of persons with verbal apraxia. Give
suitable examples. 5
b) Write a note on apraxia battery for adults. 5
OR
8. Describe the stimulus manipulations affecting response accuracy in apraxia.
Give a brief description of methods to improve speech intelligibility in
apraxics. 10
- V 9. a) What is the difference between aided and unaided communication
systems ? Give examples. 5
b) How do you determine the candidate for AAC in dysarthria ? 5
OR
10. What is AAC ? What are the major types and how is it relevant to neuromotor
speech disorders ? Add a short note on status of AAC in India. 10
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OF 020 (Sp & Hg)

B.Sc. (VI Semester) Examination, April/May 2005
(Semester Scheme)
Speech and Hearing
Aphasia and Other Language Disorders

Time: 2 Hours

Max. Marks: 50

Instruction: Answer all questions.

- I. 1) Describe in brief, approaches to the understanding of cerebral dominance for language acquisition. 10
OR
- 2) Describe Lichtheim's model. Discuss its merits and demerits. 10
- II. 3) What is dementia ? Explain the language characteristics of person with dementia. 10
OR
- 4) Describe the language characteristics of person with **RHD**. 10
- III.** 5) Discuss the need for classification of aphasia. Describe its differential relevance for research and clinical practice. 10
- 6) Explain the classification system given by Goodglass and Kaplan. 10
- IV. 7) Justify the need for differential diagnosis of different language disorders of neurogenic origin. 10
OR
- 8) Explain bedside examination of person with aphasia. Highlight the role of family in the process. 10
- V. 9) Explain the principles of language intervention in aphasia rehabilitation. 10
OR
- 10) Discuss the guidelines for preparation of home based management program for a person with Broca's aphasia. 10
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OF 030 (Sp & Hg)

B.Sc. VI Semester Examination, April/May 2005
(Integrated Semester Scheme)
Speech and Hearing
Environmental Audiology

Time: 2 Hours

Max. Marks: 50

Instruction : Answer all questions.

- Unit 1. 1) Differentiate TTS and PTS. How do you measure them? 10
- 2) What do you mean by : 10
Noy, SIL, PNdB, NRR ?
- Unit 2 3) How would you establish, in a given case, that there has been noise exposure ? 10
- OR**
- 4) a) Write notes on revising baseline audiogram. .5
b) Write notes on puretone findings in cases with noise induced hearing loss. 5
- Unit 3 5) What all you should include in a report on noise measurement, and why? 10
- OR**
- 6) Justify the need for having: 10
a) Noise dosemeter
b) Different types of microphones.
in an industrial set-up.
- Unit 4 7) Explain the effects of Hearing Protective Devices on auditory functions. 10
- OR**
- 8) What steps can be taken to control noise at the source ? 10
- Unit 5 9) What factors need to be considered in the evaluation of workers claiming compensation ? 10
- OR**
- 10) Write a note on Damage Risk Criteria.
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O F 040 (Sp & Hg)

VI Semester B.Sc. Examination, April/May 2005
(Semester Scheme)
Speech and Hearing
Rehabilitative Technology for Hearing Impaired

Time: 2 Hours

Max. Marks : 50

Instruction : Answer all questions.

I.1) Compare the features of digital and programmable hearing aids. **10**

OR

2) What do you understand by the term compression ? What are the different types of compression ? Explain. 4+6

II. 3) Compare and contrast ALDs for "watching television" that are based on infrared and FM technology. 10

OR

4) What ALDs have been developed in India ? Describe in brief, with utility. 6
Who would you recommend to use them ? 4

III..5) Describe the contribution of non auditory factors in the process of hearing aid selection. 10

OR

6) a) What do you understand by the term "aided audiogram" ? 2
b) What are the merits and demerits in using "aided audiogram" for hearing aid selection ? 8

IV. 7) Every child with a profound hearing loss should be considered as candidate for a Cochlear implant. Comment. 10

OR

8) Discuss the role played by different team members in a Cochlear implant team. 10

V. 9) What information would you give a parent of a hearing impaired child who is going in for binaural hearing aids from a pseudobinaural fitting ? 10
OR

10) a) How would you perform listening check as a hearing aid ? 6
b) How can Ling's "6 sound test" be used to evaluate the performance of the hearing aid ?
