

VI Semester B.Sc. (Sp. & Hg.) Examination, April/May 2008
(Scheme : I.S.S.)
Speech and Hearing
Dysarthria and Apraxia

Time : 2 Hours

Max. Marks: 50

Instruction : Answer all questions.

- I. 1) Classify dysarthria. Explain the speech characteristics of each type of dysarthria. 10
OR
2) a) Briefly explain the genetic conditions leading to dysarthria. 8
b) What is palilalia? 2
- II. 3) What is the importance of instrumental assessment in dysarthria ? Briefly explain the instrumental assessment of respiratory systems in persons with dysarthria. 10
OR
4) Differentiate between dysarthria and apraxia. 10
- III. 5) a) Describe any one sensory motor approach to dysarthria management. 5
b) Write a note on isometric exercises for lips and tongue. 5
OR
6) a) Describe the relevance of vegetative exercises in dysarthria. 5
b) What techniques would you employ to improve prosody in dysarthria ? 5
- IV. 7) a) Define apraxia and describe the precipitating factors of speech errors in apraxia. 5
b) What is PROMPT in apraxia therapy ? 3
c) Mention the site of lesion in verbal apraxia. 2
OR
8) Classify apraxia. Briefly explain the processing deficits in each type of apraxia. 10
- V. 9) a) Describe various methods of selection in AAC system. 5
b) What is the importance of partner training in the application of AAC ? 5
OR
10) Classify AAC and briefly explain each type of AAC with examples. 10
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VI Semester B.Sc. (Sp & Hg) Examination, April/May 2008

(Scheme : ISS)

Speech and Hearing

Aphasia and Other Language Disorders

Time : 2 Hours

Max. Marks : 50

Instruction : Answer all questions.

- I. 1) a) Explain the neuroanatomical lesions that would lead to the cortical aphasia ? 5
f b) How would you explain pure alexia and alexia with agraphia neuroanatomically ? 5
OR
- 2) Describe neurolinguistic models of language processing. 10
- II. 3) Comprehensive aphasia battery can be used for assessing language functions in other language disorders like Dementia, RHD, CHI. Discuss. 10
OR
- 4) Is it necessary to differentiate aphasia from Dementia, RHD and CHI? Discuss. 10
- III. 5) Explain the characteristic features of:
a) Isolation aphasia 5
b) Transcortical motor aphasia. 5
OR
- 6) Justify the need for classification of aphasia. 10
- IV. 7) What parameters would you select if you are asked to construct a test material to differentially diagnose Aphasia from Dementia ? 10
OR
- 8) How would you think the knowledge about the pathophysiology of spontaneous recovery help you in management of aphasics ? 10
- V. 9) How is the management of aphasia different from that of primary progressive aphasia? 10
OR
- 10) How would you counsel the family members of a patient with primary progressive aphasia ? 10
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VI Semester B.Sc. (Sp. & Hg.) Examination, April/May 2008
(Integrated Semester Scheme)
Speech and Hearing
Environmental Audiology

Time : 2 Hours

Max. Marks : 50

Instruction : Answer all questions.

- Unit 1.1. a) What are the Psychological effects of noise? 5
b) What effects of noise are reported on work efficiency ? 5
OR
2. a) Explain in brief, the types of noises. 6
b) How do you classify TTS based on the recovery pattern ? 4
- 'Unit 2. 3. a) How do you differentiate between noise induced hearing loss and presbycusis? 5
b) Write briefly on the correction factor for presbycusis while evaluating NIHL. 5
OR
4. Describe any two tests for evaluating susceptibility of an individual to NIHL. 10
- Unit 3.5. Write a note on the characteristics and features of time and frequency weighting networks in SLM. 10
OR
6. Compare and contrast : 10
a) Microphone and accelerometer
b) Sound level calibrator and piston phone.

- Unit 4. 7. a) Justify the need for a Hearing Conservation Program (HCP) in an industrial set-up 6
- b) **What** are **the** steps in **HCP** ? 4
- OR
8. a) What are the properties of hearing protective devices ? 4
- b) How is the extent of attenuation of different hearing protective devices measured ? 6
- Unit 5,9. 'Strict implementation of legislations on noise and public awareness are essential in the prevention of noise induced hearing loss'. Discuss. 10
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10. a) What noise control measures should be specified in a Motor Vehicle Act ? 5
- b) What measures can be taken to ensure that the motor vehicles do not produce excess noise ? 5
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OF 040 (Sp & Hg)

VI Semester B.Sc. (Sp. & Hg.) Examination, April/May 2008
(Scheme : I.S.S.)

Speech and Hearing Rehabilitative Technology for Hearing Impaired

Time : 2 Hours

Max. Marks: 50

Instruction : Answer all questions.

- I. 1) How do digital hearing aids address the following :
- a) Reduced dynamic range 5
 - b) Poor listening in noise. 5
- 2) What are the features of digital hearing aids that make them superior to programmable hearing aids ? 10
- II. 3) a) What are ALDs ? 2
- b) How are they classified ? 3
 - c) Describe how devices such as "cell phones" have helped the hearing impaired communicate over distance. 5
- 4) Write an essay on ALD's available in India. 10
- III. 5) a) Why and how does fitting hearing aids to a child differ from that to an adult? 10
- OR**
- 6) Discuss the preselection factors that have an impact on the fitting of hearing aids in the elderly. 10
- IV. 7) Describe a protocol for determining candidacy for cochlear implant with justification. 10
- OR**
- 8) Compare and contrast Brainstem implant with cochlear implant. 10
- V. 9) What information is essential for a first time user of hearing aids on the care and maintenance of his hearing aid ? 10
- OR**
- 10) Describe procedure for trouble shooting BTE hearing aids. 10
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