

AD 010

IV Semester MSc. (And.) Examination, May/June 2007

(Semester Scheme)

Audiology

Assessment and Management of Central Auditory Processing Disorders

Time : 3 Hours

Max. Marks : 80

Instructions : Answer all questions.

- I. 1) With support from literature, discuss the possibility of learning disability being an auditory based problem. 16

OR

- 2) Describe a classification of (C) APD which would be of utility while planning further measures for clients. Substantiate the utility with examples. 16

- II. 3) a) Write a note on the age at which various behavioural (C)APD tests are permissible for the paediatric population mentioning the pros and cons of carrying out the test at the specified age/s. 8

- b) Describe any one behavioural test for auditory separation used for the paediatric population, mentioning the advantages and disadvantages of the test. 8

OR

- 4) a) What is auditory integration ? 4

- b) Describe tests that can be used to measure auditory integration, comparing one test with the other. 8

- c) Mention Indian tests, if any, that have been developed to carry out the above measure. 4

- III. 5) a) Write the need for behavioural (C) APD tests in the light of the availability of objective measures to evaluate the same. 12

- b) Name at least four different physiological tests, mentioning the auditory process that the test measures. 4

OR

- 6) A sixty year old businessman, with expressive aphasia requires to be evaluated for the presence of auditory processing problems. What would your choice of tests be ? Justify your choice. 16

P.T.O.

AD 010

IV. 7) How does information on non-audiological tests guide in the rehabilitation of individuals with suspected APD ? Write notes on meta-cognition and how it can influence the management of clients with (C)APD. 16

OR

8) a) Provide examples of different meta-linguistic skills. 8

b) Mention the utility of knowing about meta-linguistic abilities in the evaluation and rehabilitation of individuals with (C) APD. 8

V. 9) Plan a therapy program for a child who has difficulty in the following situations:

a) When two people talk at the same time, 8

b) Poor memory for verbal stimuli. 8

10) Write notes on meta-cognition and how it can influence the management of clients with(C) APD. 16,

AD 070

IV Semester **M.Sc.** (And.) Examination, May/June **2007**
(Semester Scheme)

Audiology

Speech Perception in Clinical Population

Time : 3 Hours

Marks : 80

Instruction : Answer one question from each Unit, as directed below.

- Unit I. 1) Describe the cues used by hearing-impaired in the perception of stops. How is their perception different from that of normal hearing individuals ? 16
- OR
- 2) Individuals with hearing-impairment have abilities to utilize co-articulation cues. Justify your stand on this. 16
- Unit II. 3) a) Define Vizemes. 2
- b) Compare the segmental cues perceived by individuals with hearing-impairment through the tactile and visual modalities. 14
- OR
- 4) There is no consistent vizeme grouping of consonants and vowels, across different studies. Justify your stand on this. 16
- Unit III. 5) The strategy used rather than the number of channels, influence speech perception through a cochlear implant. Critically evaluate the statement. 16
- OR
- 6) a) Discuss the need to study speech perception through a cochlear implant. 8
- b) Compare speech perception across different devices using C15 strategy. 8

P.T.O.

- Unit IV. 7) Discuss the need for subjective measures in determining speech intelligibility, considering the availability of objective measures. 16
- 8) Mention ways in which knowledge of speech intelligibility can be used in the area of rehabilitation of the hearing impaired. 16
- Unit V. 9) a) List the conditions that adversely affect speech perception in an individual with moderately-severe, acquired sensori-neural hearing loss. 4
- b) Discuss how each of the above factors influences speech perception. 12
- OR
- 10) How can information on "speech perception in adverse listening situations" be applied to the field of speech and hearing ? 16

AD060

IV Semester **M.Sc.** (And.) Examination, May/June 2007
(Semester Scheme)

Audiology
Audiology in Practice

Time : 3 Hours .

Max. Marks: 80

Instruction : Answer all the questions.

- I. 1. Define audiological practice. Explain how audiological practice is different in a private consultancy agency compared to that in a public general hospital audiological set up. What are the advantages and disadvantages of audiological set up in government/public sector ? 16

OR

2. Elaborate on how audiological practice differs between (2x8=16)
a) a diagnostic centre and a rehabilitation centre, and
b) a rural set-up and an urban set-up

- II. 3. What test protocols will you use
a) Required for carrying out a hearing screening programme in 12
i) an industrial set up
ii) a school set up and
iii) a rural CBR set up
b) Differentiate between instrumental requirements at the above three setups for screening work. 4

OR

4. "Neurodiagnostic centres should have additional audiological facilities in terms of instruments, test environment and test protocols not all centres in India can take up neuroaudiological investigation". Critically evaluate this statement. 16

- III. 5. How will you, as an industrial audiologist, convince your shift engineer on the need for providing rest between shifts and for including differential shifts for employees working in shop floors having noise levels above DRC ? What data has to be gathered before such an exercise ? Justify your viewpoint. 16

OR

P.T.O.

6. a) "There is no proper legislation in India on conservation of hearing in industrial workers or on compensation payable for sequelae of noise exposure". Do you agree with this ? If yes, give reasons. If no, then also justify your answer, 10
6. b) What do you need to do to create awareness on hearing conservation among industrial employees ? 6
- IV. 7. a) What type of precaution and/or protective measure a consulting audiologist, in private practice should take under Consumer Protection Act and PWD (equal opportunity and rights) Act ? 12
7. b) Write a note on insurance against malpractice. 4
- OR**
8. a) What are the qualities of an audiologist as an expert witness. 6
- b) Discuss the ethical proscriptions laid down by ISHA and ASHLA. 10
- V. 9. a) Detail the differences in quality of test diagnostic protocols between a specialized diagnostic centre and a rural mobile/CBR audiologic facility. 10
- b) How do you improve the quality of audiological test in a non-standardized clinical environment ? 6
- OR**
10. a) Enumerate the welfare measures available for hearing impaired in India. 10
- b) What modifications are required in the PWD act for certifying a hearing impaired to avail welfare measures ? 6
- I