

IV Semester M.Sc. (Audiology) Examination, May/June 2008
(Semester Scheme)
Assessment and Management of Central Auditory Processing Disorders

Time: 3 Hours

Max. Marks: 80

Instruction : Answer all questions.

I. I. Describe the physiology of the following problems seen in individuals with APD :

- a) Temporal processing problems 8
- b) Problems in binaural interaction 8

OR

- 2. a) List conditions with which APD can co-exist... 4
- b) How would the audiological symptoms in these individuals differ from those seen in clients with only APD ? 12

- II. 3. a) How do you screen school-going children in India for APD ? 6
- b) Justify your choice of procedure in the light of other available screening methods. 12

OR

- 4, a) Describe any two behavioural tests that are used to check for the presence of temporal processing problems. 10
- b) Mention the advantages and disadvantages of each of these tests. 6

III. 5. Discuss the advantages and disadvantages of objective test in identifying APD in comparison to behavioural tests. 16

OR

- 6. Describe how MMN can be used to identify APD problems in children. How and what processes can be identified with this test ? 16

P.T.O.

IV. 7. a) Justify the need to carry out phoneme synthesis training in children with an APD problem. 8

b) Describe four activities that can be carried out to improve phoneme synthesis in children. 8

OR

8. There is a child in whom auditory memory is primarily affected. What are the problems in other processes that may co-exist with this primary problem ? How do you assess them ? 16

V. 9. Describe the contribution of brain plasticity in the remediation of clients with APD. Cite relevant research findings. 16

OR

10. a) What is metacognition ? 2

b) What is the need to improve meta-cognition in individuals with APD ? 6

c) Briefly describe ways of improving meta-cognitive skills. 8

IV Semester **M.Sc.** (Audiology) Examination, **May/June** 2008
(Scheme : ISS)
Audiology
Audiology in Practice

Time : 3 Hours

Max. Marks : 80

Instruction : Answer all questions.

- I. 1) Write up a project proposal to the Management of a private school for setting up an audiological unit in their school. 16
OR
- 2) How is community based rehabilitation different from an institution based rehabilitation ? What is your role in the former ? 16
- II. 3) Justify the need for a separate test protocol to test pediatric population. What equipment is necessary in a pediatric set-up and why ? 16
OR
4. a) Discuss the various role an audiologist can play in an ENT clinic. 8
b) Neurology practice is not complete without audiological investigation, Justify. 8
- III. 5) How will you convince a group of managers from industries regarding noise control measures in their units ? 16
OR
- 6) Write an essay on the role of audiologist in industrial worker's compensation claims. 16
- IV. 7) Write a note on the ethics in practice for audiologists. 16
OR
- 8) a) Write a brief note on consumer protection act. 6
b) What qualities should an audiologist have to become an expert witness ? 10
- V. 9) What national and international standards have to be met for test environment and equipment ? 16
OR
- 10) Discuss the welfare measures available for persons with hard-of-hearing in the country. What additional benefits could be provided ? 16

MSCAD/AD 070

IV Semester M.Sc. (Audiology) Examination, May/June 2008

(Scheme : I.S.S.)

Audiology

Speech Perception in Clinical Population

Time : 3 Hours

Max. Marks : 80

Instruction : Answer all questions.

- I. 1) Discuss the factors influencing speech intelligibility In normals. 16
OR
2) For normal hearing individuals and hearing impaired, good S/N ratio is important for better speech perception. Discuss with research data. 16
- II. 3) Write an essay on perception of suprasegmental features in the hearing impaired. 16
OR
4) Speech perception is better with increase in stimulation sites. Comment. 16
- III. 5) In individuals with hearing impairment fitted with cochlear implant what are the factors which could influence speech perception ? List them in the order of importance and justify your choices. 16
OR
6) The subjective and objective methods for assessing speech intelligibility have a key role in audiology. Discuss various methods used in the field of audiology. 16
- IV. 7) Normal hearing individuals hear better in adverse listening conditions compared to hearing impaired. Justify the statement. 16
OR
8) Write an essay on perception of vowels in the hearing impaired. 16
- V. 9) a) It is believed that 7 channel tactaid provides better speech perception than single channel tactaid. Discuss. 8
b) Write an essay on perception of coarticulation in the hearing impaired. 8
OR
10) Is speech perception different when processed through the visual mode compared to hearing mode ? If so, justify your answer. 16