

MANIPAL UNIVERSITY

SECOND YEAR M.A.S.L.P. DEGREE EXAMINATION – JUNE 2015

SUBJECT: SH 201 - LANGUAGE ACQUISITION AND LANGUAGE DISORDERS IN CHILDREN
(NEW REGULATION)

Monday, June 01, 2015

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ Answer ALL questions

- 1A. Discuss the neural correlates of language milestones.
1B. Write a note on cerebral plasticity and critical period.

OR

- 2A. Discuss the social interaction theory of language acquisition.
2B. Describe “scaffolding”.

(12+4 = 16 marks)

3. Discuss the language development in sequential and simultaneous bilingual.

OR

4. “Language development in intellectual disability is delayed”. Support this statement with literature evidences.

(16 marks)

5. Describe the contemporary issues in the assessment and management of Autism Spectrum Disorders.

(16 marks)

OR

- 6A. Discuss Specific language impairment as a “temporal processing disorder” with recent evidences.
6B. Describe nature of linguistic deficit in Specific Language Impairment.

(10+6 = 16 marks)

- 7A. Discuss the effectiveness of video modelling, PECS and Reciprocal Imitation training with research evidences.

- 7B. Describe any one therapy approach to train children with echolalia.

OR

- 8A. Write a hypothetical assessment report of a 4 year old child with severe Autism.
8B. Describe the role SLP’s in NICU.

(10+6 = 16 marks)

9. Phonological awareness skills are crucial for reading development. Discuss.

(16 marks)

OR

- 10A. Discuss the neurobiology of reading and writing.
10B. Describe the development of reading and writing.

(8+8 = 16 marks)



MANIPAL UNIVERSITY**SECOND YEAR M.A.S.L.P. DEGREE EXAMINATION – JUNE 2015****SUBJECT: SH 202 – ADULT LANGUAGE DISORDERS
(NEW REGULATION)**

Wednesday, June 03, 2015

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

Answer ALL questions.

1A. Discuss the gross and fine anatomical differences between the cerebral hemispheres.

1B. Discuss the relevance of cerebral plasticity in aphasia and associated disorders.

(10+6 = 16 marks)

OR

2. Discuss the relevance of association cortices in higher mental functions with emphasis on language.

(16 marks)

3. Elaborate on the neurolinguistic perspectives of extrasyllabic aphasias.

OR

4. Discuss the factors that determine the spontaneous recovery from aphasia.

(16 marks)

5. **Write shortly on:**

5A. Paraphasias

5B. Agrammatism

5C. Pure word deafness

5D. Mental lexicon

OR

6. **Describe shortly on:**

6A. AAC in non-fluent aphasia

6B. Deep versus phonological alexia

6C. Melodic intonation therapy

6D. Visual word form area

(4 marks × 4 = 16 marks)

7. Elaborate on the morphological and neurochemical changes in the brain associated with aging.

(16 marks)

OR

8A. Describe Triesman's attenuation model of attention.

8B. Describe the contribution of even-related potentials in investigations on cognitive functions.

(8+8 = 16 marks)

9. Write any two models of abstraction and reasoning.

OR

10. Describe the linguistic, extralinguistic and non-linguistic deficits associated with right hemisphere damage.

(16 marks)



MANIPAL UNIVERSITY**SECOND YEAR M.A.S.L.P. DEGREE EXAMINATION – JUNE 2015****SUBJECT: SH 203 – CLINICAL PHONOLOGY AND MOTOR SPEECH DISORDERS
(NEW REGULATION)**

Friday, June 05, 2015

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

Answer ALL questions.

1. Explain the importance of IPA. Highlight the need in Indian context. Update the recent additions in IPA.

(16 marks)

OR

2. What is the relevance of detailed assessment of phonological awareness? Explain its implications in the management of phonological disorders.

(8+8 = 16 marks)

3. Critically evaluate any one phonological theory explaining its application in assessment and management of phonological disorders.

(16 marks)

OR

- 4A. What are the various types of coarticulation?

- 4B. Write a note on management of coarticulation in speech disorders.

(8+8 = 16 marks)

- 5A. Describe the oral sensory motor dynamics and its relevance in speech production.

- 5B. Explain verbal apraxia with neural substrate.

(10+6 = 16 marks)

OR

6. What are the various components involved in sensory motor processing in speech? Explain with the help of a suitable model.

(16 marks)

7. Elaborate on various therapy approaches used in the management of dysarthria.

(16 marks)

OR

- 8A. Explain the role of instruments in the management of apraxia of speech.

- 8B. Explain the rationale to use MIT in the management of Apraxia. Describe the procedure.

(8+8 = 16 marks)

- 9A. Classify the etiologies of swallowing disorders in adults.
9B. Write a note on esophagus related swallowing disorders.

(12+4 = 16 marks)

OR

10. Discuss the team approach towards swallowing management in Indian context.

(16 marks)



MANIPAL UNIVERSITY**SECOND YEAR M.A.S.L.P. DEGREE EXAMINATION – JUNE 2015****SUBJECT: SH 204 – SPEECH PERCEPTION AND ITS DISORDERS
(NEW REGULATION)**

Monday, June 08, 2015

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

Answer ALL questions.

1. Describe normalization process in human speech perception.

OR

2. Critically evaluate Direct Realism theory of speech perception with relevant evidence from literature.

(16 marks)

3. Compare perception of consonants through visual and tactile modalities.

OR

4. Discuss in what areas of audiology can we apply speech intelligibility measurements.

(16 marks)

5A. In your opinion which theory explains infant speech perception the best? Support your choice with research studies.

5B. Applications of dichotic listening in Audiology.

OR

6A. Effect of degree of hearing loss on speech perception.

6B. Discuss any one theory of dichotic listening.

(8+8 = 16 marks)

7. Compare and contrast speech perception between cochlear implants and Brainstem implant.

(16 marks)

OR

8A. Discuss recent developments in cochlear implants in processing speech.

8B. Compare and contrast any two speech processing strategies in speech perception through cochlear implants.

(8+8 = 16 marks)

9A. Enumerate on how speech perception in adverse listening situation can be a challenge for hearing impaired listeners.

9B. Discuss the role of short term memory in speech perception.

OR

10A. Define different types of memories and briefly state their role.

10B. Animal Vs human perception

(8+8 = 16 marks)



MANIPAL UNIVERSITY**SECOND YEAR M.A.S.L.P. DEGREE EXAMINATION – JUNE 2015****SUBJECT: SH 205 – DIAGNOSTIC AUDIOLOGY
(NEW REGULATION)**

Wednesday, June 10, 2015

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

Answer ALL questions.

- 1A. What is calibration? Explain objective calibration of intensity with a neat block diagram.
1B. Explain temporal and spectral characteristics of a click and how it is generated?

OR

- 2A. Explain differential amplification and its application in ABR.
2B. Write a note on different transducers used in ABR.

(8+8 = 16 marks)

- 3A. Write a note on need for genetic counseling.
3B. Explain wave fixed and place fixed theories of OAE generation.

(8+8 = 16 marks)

OR

- 4A. What is the instrumentation needed to record DPOAE, explain with block diagram.
4B. Discuss the pass/fail criteria for hearing screening used in OAE.

(10+6 = 16 marks)

- 5A. Discuss the principles of immittance meter.
5B. What is the role of measuring ear canal volume in immittance measurement?

(10+6 = 16 marks)

OR

- 6A. Explain acoustic reflex pathway with a neat diagram.
6B. What are the applications of ART in diagnostic audiology?

(8+8 = 16 marks)

- 7A. Write a note on MLR and its recording protocol.
7B. What are the factors affecting MLR?

OR

- 8A. Write a note on stimulus and paradigm used in recording of MMN and P300.
8B. What are the applications of LLR?

(10+6 = 16 marks)

9A. Write a note on pathophysiology and audiological findings in meniere's disease.

9B. Define hyperacusis and test used for diagnosing the same.

(10+6 = 16 marks)

OR

10A. Write a note on comprehensive report writing.

10B. What is the role of audiology practice in rural areas?

(8+8 = 16 marks)



MANIPAL UNIVERSITY
SECOND YEAR M.A.S.L.P. DEGREE EXAMINATION – JUNE 2015
SUBJECT: SH 206 – HEARING DEVICES
(NEW REGULATION)

Friday, June 12, 2015

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL questions.**

1. Write a note on digital and analogue filters and its advantages and disadvantages.

OR

2. Write an essay on application of DSP in audiology.

(16 marks)

3. Write a note on setup and measurement procedure used in various full on gain measures, frequency response measurement and equivalent input noise level.

OR

4. Explain the various microphone techniques used for improving SNR in hearing aids.

(16 marks)

5. Describe the hearing aid fitting verification strategies for an individual having severe hearing loss with narrow dynamic range and poor speech recognition scores in noise.

OR

6. Describe the ways to evaluate ALD systems.

(16 marks)

7A. Discuss the quality of life related issues of CI users.

7B. Describe with diagram the instrumentation and purpose of NRT.

(8+8 = 16 marks)

OR

8. Discuss on the types of electrode designs and its implication for CI.

(16 marks)

9A. Enumerate the outcomes of ABI with relevant literature evidences.

9B. Describe the steps involved in device fitting and processor programming in ABI.

(10+6 = 16 marks)

OR

10. Describe the classification of MEI based on transducer. Add a note on the outcome with each type of MEI.

(16 marks)



MANIPAL UNIVERSITY**SECOND YEAR M.A.S.L.P. DEGREE EXAMINATION – JUNE 2015****SUBJECT: SH 207 – ADVANCES IN MANAGEMENT OF PERSONS WITH HEARING DISORDERS
(NEW REGULATION)**

Monday, June 15, 2015

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

Answer ALL questions.

1. Discuss the effect of auditory deprivation and role of auditory plasticity on management of hearing impaired children. (16 marks)

OR

- 2A. Audit the facilities provided for PWD in India.
2B. How Tele-rehabilitation is useful in management of hearing impaired? (8+8 = 16 marks)

- 3A. Elaborate on communicative strategies used by hearing impaired.
3B. Write a note on management of progressive hearing loss. (8+8 = 16 marks)

OR

4. Describe assertiveness training for hearing impaired individuals. (16 marks)

- 5A. How audiological finding is applicable in management of tinnitus?
5B. Elaborate on the role of counseling in management of tinnitus. (8+8 = 16 marks)

OR

6. Explain management of hyperacusis based on neurophysiological model. (16 marks)

7. Elaborate on national acts for person with disabled in India.

OR

8. Explain role of audiologist in legislations related to education issues of persons with hearing impairment. (16 marks)

- 9A. Write a note on devices used for management of CAPD.
9B. Discuss on the environmental modification required for CAPD. (8+8 = 16 marks)

OR

10. Discuss auditory perceptual training for CAPD. (16 marks)

