

MANIPAL ACADEMY OF HIGHER EDUCATION**SECOND YEAR M.A.S.L.P. DEGREE EXAMINATION – DECEMBER 2017****SUBJECT: SH 201 - LANGUAGE ACQUISITION AND LANGUAGE DISORDERS IN CHILDREN
(NEW REGULATION)**

Friday, December 15, 2017

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL the questions.**

- 1A. Discuss the neural correlates of language milestones.
1B. Discuss the Interactions of neural events and language learning.

OR

- 2A. Discuss the biological theory and its application in the assessment and management of childhood communication disorders.
2B. Explain briefly synaptogenesis and myelination.

(12+4 = 16 marks)

3. Discuss the language characteristics of William's syndrome with the recent literature evidences.

OR

4. Language development in children with hearing impaired are delayed. Critically evaluate with recent literature support.

(16 marks)

5. Discuss the socio communication deficits in Autistic spectrum disorders.

OR

6. "SLI as a pragmatic disorder" Critically evaluate with the recent literature support.

(16 marks)

7. Discuss a child directed, Hybrid, and clinician centered approach to developing two-word combinations in the speech of a child with emerging language.

(16 marks)

OR

- 8A. Describe the Phases of PECS in the management of ASD.
8B. Briefly explain the effectiveness of PECS with recent literature.

(10+6 = 16 marks)

- 9A. Describe the reading and writing acquisition in children.
9B. Write briefly on the ITPA.

OR

- 10A. Discuss the role of phonological awareness in reading acquisition.
10B. Write a note on post script modeling.

(10+6 = 16 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
SECOND YEAR M.A.S.L.P. DEGREE EXAMINATION – DECEMBER 2017
SUBJECT: SH 202 – ADULT LANGUAGE DISORDERS
(NEW REGULATION)

Saturday, December 16, 2017

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

Answer ALL the questions.

1. What is the relevance of understanding the neuroanatomy in the field of aphasia?

OR

2. The cerebral organization in bilinguals is same as monolinguals. Critically evaluate this statement with supportive and contradictory evidence.

(16 marks)

3. **Write short notes on:**

3A. Assessment of neglect in right hemisphere damage.

3B. Issues in assessing bilingual aphasia.

(8 marks × 2 = 16 marks)

OR

4. Elaborate on assessment of various types of attention.

(16 marks)

5. Discuss the pragmatic approaches in the rehabilitation of aphasia.

OR

6. Discuss different types and characteristics of acquired alexia and agraphia based on dual route cascaded model of reading.

(16 marks)

7A. Discuss the age related changes observed in the short and long term memory.

7B. Organization and planning skills decline with age. Critically evaluate.

(8+8 = 16 marks)

OR

8. Highlight the microscopic neuro anatomic changes and discuss the neurochemical changes that take place with aging.

(16 marks)

9. Discuss the linguistic characteristics of dementia and primary progressive aphasia.

(16 marks)

OR

10A. Differentiate between cortical vs. subcortical dementia.

10B. Describe the linguistic characteristics of Alzheimer's disease.

(8+8 = 16 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND YEAR M.A.S.L.P. DEGREE EXAMINATION – DECEMBER 2017

SUBJECT: SH 203 – CLINICAL PHONOLOGY AND MOTOR SPEECH DISORDERS
(NEW REGULATION)

Monday, December 18, 2017

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL the questions.**

- 1A. Discuss the role of phonological and phonemic awareness in reading development of children.
1B. Explain the term phonotactics.

OR

- 2A. Describe coarticulation based on acoustic analysis with adequate literature.
2B. Write a note on EPG in coarticulation study.

(12+4 = 16 marks)

3. How do you apply phonological theories in evaluation of phonological disorders?

(16 marks)

OR

- 4A. What are the factors to be considered while analyzing co-articulatory conditions for intervention? Explain with examples.
4B. Explain the principles of Metaphon therapy.

(12+4 = 16 marks)

5. Describe the sensory motor control development in relevance to speech production.

OR

6. Explain the neural substrate of apraxia with evidence from literature.

(16 marks)

7. What are the current therapy approaches used in the management of dysarthria?

(16 marks)

OR

8. **Explain the following with rationale:**

8A. Touch cue method

8B. PROMPT

(8 marks × 2 = 16 marks)

9. Justify the multidisciplinary management of dysphagia in adults.

OR

10. Elaborate on objective methods of swallowing assessment.

(16 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
SECOND YEAR M.A.S.L.P. DEGREE EXAMINATION – DECEMBER 2017
SUBJECT: SH 204 – SPEECH PERCEPTION AND ITS DISORDERS
(NEW REGULATION)

Tuesday, December 19, 2017

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL the questions.**

1. Discuss the issues in speech perception.

OR

2. Describe any one theory which best describes speech perception. Justify.

(16 marks)

3. What is speech intelligibility? Write an essay on stimulus and transmission related factors affecting speech intelligibility.

OR

4. Compare and contrast speech perception through auditory and visual modalities.

(16 marks)

5. Are consonants perceived better than vowels among individuals with hearing loss? Justify.

OR

6. Describe any one theory of dichotic listening. Discuss the applications of dichotic listening.

(16 marks)

7A. Multichannel cochlear implants are better than single channel cochlear implants. Justify.

7B. Compare and contrast speech perception through air-conduction hearing aids and BAHA.

(8+8 = 16 marks)

OR

8. Compare speech perception through ABI and CI.

(16 marks)

9. Discuss the adverse effect of noise and reverberation on speech perception in individuals with hearing impairment.

(16 marks)

OR

10A. Do humans perceive speech better than animals? Justify.

10B. Discuss the need for studying speech perception in animals.

(12+4 = 16 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
SECOND YEAR M.A.S.L.P. DEGREE EXAMINATION – DECEMBER 2017

SUBJECT: SH 205 – DIAGNOSTIC AUDIOLOGY
(NEW REGULATION)

Wednesday, December 20, 2017

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

☞ **Answer ALL the questions.**

- 1A. With appropriate illustrations, describe: (i) SLM (ii) Electronic Timer (iii) Couplers used in audiological calibration.
- 1B. Enumerate the basic differences between biological and electroacoustic calibration. (12+4 = 16 marks)

OR

2. Describe the different types of filters and the process of filtering applied in the generation of various acoustic signals used in audiological equipment. (16 marks)
- 3A. Discuss the efforts of WHO and Govt. of India in hearing screening of newborns and infants.
- 3B. Justify the relevance of genetic counselling in early identification. (12+4 = 16 marks)

OR

- 4A. With relevant studies, document outer hair cells as a site of OAE generation.
- 4B. What are the main factors influencing the generation of OAEs? (10+6 = 16 marks)
5. “Reflexometry is a more robust clinical tool than Tympanometry”. Justify with appropriate clinical conditions.

OR

6. Describe Multifrequency Immittanceometry in terms of principle, instrumentation, measurement and interpretation. (16 marks)
- 7A. Explain the ABR system installed in your clinic with a suitable block diagram.
- 7B. Discuss the clinical applications of EABR and Stacked ABR. (8+8 = 16 marks)

OR

- 8A. Critically evaluate the statement “ASSR has objectified the neonatal hearing testing”.
- 8B. Discuss the clinical applications of Early Auditory Brain Stem Responses. (10+6 = 16 marks)
9. “The hallmark of the evaluation of the patient with a complaint of tinnitus is the audiogram”. Critically evaluate the statement and suggest additional evaluation protocols. (16 marks)

OR

- 10A. Describe the audiological and histopathological findings in Sudden Hearing loss.
- 10B. Explain the basic principles of ENG as relevant to vestibular dysfunction. (8+8 = 16 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
SECOND YEAR M.A.S.L.P. DEGREE EXAMINATION – DECEMBER 2017
SUBJECT: SH 206 – HEARING DEVICES
(NEW REGULATION)

Thursday, December 21, 2017

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL the questions.**

1. With a neat diagram explain the various steps involved in analogue to digital conversion.

OR

2. Discuss the applications of digital signal processing in the field speech and hearing.

(16 marks)

3. Elaborate on the various noise reduction algorithms used in digital hearing aids.

(16 marks)

OR

4. Write an essay on recent advances in electroacoustic measurements:

4A. Processing delay

4B. Nonlinear amplifications

4C. Attack time

4D. Release time

(4 marks × 4 = 16 marks)

5. Discuss the ALD systems that assist in the awareness and identification of environmental sounds and situations.

OR

6. Describe the various types of maskers currently available for tinnitus management.

(16 marks)

7. Describe the outcomes with bilateral, bimodal and hybrid type of cochlear implant.

OR

8. Discuss the various pre-operative assessment test and its indications for CI surgery.

(16 marks)

9. Explain principle of BAHA. Describe the outcomes with BAHA.

OR

10. Describe the components of MEI with a neat diagram. Explain the working principle of the type of MEI.

(16 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION**SECOND YEAR M.A.S.L.P. DEGREE EXAMINATION – DECEMBER 2017****SUBJECT: SH 207 – ADVANCES IN MANAGEMENT OF PERSONS WITH HEARING DISORDERS
(NEW REGULATION)**

Friday, December 22, 2017

Time: 10:00 – 13:00 Hrs.

Max. Marks: 80

✍ **Answer ALL the questions.**

- 1A. Write an essay on early intervention programmes.
1B. Briefly describe the tele rehabilitation for hearing Impairment. (10+6 = 16 marks)

OR

- 2A. Write a note on role of auditory plasticity in the management of hearing impairment.
2B. Discuss the role of audiologist and parents in formal education. (8+8 = 16 marks)

- 3A. Discuss the assertiveness training for management of hearing impaired.
3B. Describe the aural rehabilitation options for individuals with multiple handicapped. (8+8 = 16 marks)

OR

- 4A. Elaborate on the communication strategies for individuals with hearing impairment.
4B. Discuss the role of implantable devices for management of hearing impairment. (10+6 = 16 marks)

- 5A. Critically evaluate the tinnitus retraining therapy.
5B. Discuss the role of amplification devices and masker in management of tinnitus. (10+6 = 16 marks)

OR

- 6A. Discuss the management of hyperacusis based on neurophysiological model.
6B. Highlight the importance of counseling in tinnitus rehabilitation. (8+8 = 16 marks)

- 7A. Briefly describe the PWD act.
7B. What are the facilities available for hearing impaired under ADIP scheme?

OR

- 8A. Discuss any one international declarations for individuals with hearing disability.
8B. Explain the role of audiologist in implementation of legislations, schemes and policies. (8+8 = 16 marks)

9. Discuss the audiological test results based management of APD in detail. (16 marks)

OR

- 10A. What are the communication strategies options available for CAPD?
10B. Discuss the role of devices in management for CAPD. (10+6 = 16 marks)

