

[LB 1012]

OCTOBER 2012

Sub. Code: 3013

MASTER OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY

(MASLP) DEGREE EXAMINATION

SECOND YEAR

PAPER III – CLINICAL PHONOLOGY AND

MOTOR SPEECH DISORDERS

Q.P. Code : 433013

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

**Pages Time Marks
(Max.)(Max.)(Max.)**

- | | | | |
|--|----|----|----|
| 1. What do you understand by the term “Sensorimotor control” of speech production? Describe the relevance of feedback and feed forward loops in speech production as well in understanding motor speech disorders. | 17 | 40 | 20 |
| 2. Describe in detail the metaphon therapy and its application in assessment and treatment of children with phonological disorders. | 17 | 40 | 20 |

II. Write Notes on:

- | | | | |
|---|---|----|---|
| 1. Phonological awareness intervention. | 4 | 10 | 6 |
| 2. Critical evaluation of Mayo Clinic classification of dysarthria. | 4 | 10 | 6 |
| 3. Phonotactics. | 4 | 10 | 6 |
| 4. Neural substrate of Apraxia of Speech. | 4 | 10 | 6 |
| 5. GERD and dysphagia. | 4 | 10 | 6 |
| 6. Alternate methods of nutritional intake. | 4 | 10 | 6 |
| 7. Development of feeding skills. | 4 | 10 | 6 |
| 8. Features based model of coarticulation. | 4 | 10 | 6 |
| 9. Speech intelligibility versus. Comprehensibility in dysarthria. | 4 | 10 | 6 |
| 10. Assessment of motor speech planning and programming. | 4 | 10 | 6 |

[LD 1013]

OCTOBER 2013

Sub. Code: 3013

MASTER OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY

(MASLP) DEGREE EXAMINATION

SECOND YEAR

PAPER III – CLINICAL PHONOLOGY AND

MOTOR SPEECH DISORDERS

Q.P. Code : 433013

Time : 3 hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on :

(2X20=40)

1. Describe in detail the how physiological investigations enhance the understanding of coarticulation.
2. Describe in detail the different approaches to management of Apraxia of Speech in adults.

II. Write Notes on:

(10X6=60)

1. Phonological awareness assessment.
2. Metaphon therapy.
3. Phonological processes in children with hearing impairment.
4. Neural substrates of Ataxic dysarthria.
5. Speech intelligibility versus Speech comprehensibility.
6. Symptoms of oro-pharyngeal dysphagia.
7. Etiology of swallowing disorders in children.
8. Compensatory strategies of dysphagia management.
9. Speech Characteristics of adult apraxia of speech.
10. Role of AAC in management of adults with dysarthria.

[LF 1014]

OCTOBER 2014

Sub. Code: 3013

**MASTER OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
(MASLP) DEGREE EXAMINATION
SECOND YEAR
(2010-2011 Session onwards)
PAPER III – CLINICAL PHONOLOGY AND MOTOR SPEECH DISORDERS**

Q.P. Code: 433013

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. The objective and subjective assessment in individuals with dysphagia.
2. The management of dysarthria from SLPs perspective.

II. Write notes on:

(10 x 6 = 60)

1. Phonological disorder
2. Substitution process
3. Metaphone theory
4. Types of apraxia
5. Functional development of sensori-motor control
6. Feature based model of co-articulation
7. Phase of swallow
8. Role of respiration in swallow
9. Cerebellum
10. Standardized test for assessment of dyasrthria

[LG 0415]

APRIL 2015

Sub. Code: 3013

**MASTER OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
(MASLP) DEGREE EXAMINATION
SECOND YEAR**

(2010-2011 Session onwards)

PAPER III – CLINICAL PHONOLOGY AND MOTOR SPEECH DISORDERS

Q.P. Code: 433013

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. The subjective and objective assessment of various speech subsystems in dysarthria.
2. The management strategies specific to apraxic individuals.

II. Write notes on:

(10 x 6 = 60)

1. Assessment of phonological awareness
2. Phonological process pattern in communication disorders
3. Subjective evaluation of swallow
4. Cause of dysarthria
5. Neurophysiology of sensory motor control
6. Target based and allophone based model of co-articulation
7. Development of feeding skills
8. Dysarthria versus apraxia
9. Methods of AAC
10. Isotonic versus isometric exercises

[LI 0416]

APRIL 2016

Sub. Code: 3013

**MASTER OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY
SECOND YEAR
PAPER III – CLINICAL PHONOLOGY AND MOTOR SPEECH DISORDERS**

Q.P. Code : 433013

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Application of Phonological theories in evaluation of Phonological disorders.
2. Management of principles of Dysarthria.

II. Write notes on:

(10 x 6 = 60)

1. Chorea.
2. Parkinson's Disease.
3. Management of Rhythm in Apraxia.
4. Perceptual assessment of Dysarthria.
5. Models of co-articulation.
6. Candidacy for AAC.
7. Assessment of speech intelligibility.
8. Motor Neuron Diseases.
9. Metalinguistics and Phonological disorders.
10. Agnosia, Alexia and Agraphia.

[LJ 1016]

OCTOBER 2016

Sub. Code: 3013

**MASTER OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY EXAMS
SECOND YEAR
PAPER III – CLINICAL PHONOLOGY AND MOTOR SPEECH DISORDERS**

Q.P. Code : 433013

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain coarticulation and its types with suitable examples. Describe the usefulness of coarticulation in speech disorder with research evidence.
2. Explain neuromotor control of speech in detail. Describe development of motor control for speech and swallowing in children.

II. Write notes on:

(10 x 6 = 60)

1. Type of dysarthria.
2. Integral stimulation approach for apraxia.
3. 9th cranial nerve.
4. Bobath approach.
5. Metaphon therapy.
6. Motor theory of speech production.
7. Abnormal phonological patterns.
8. Setting goals in children with phonological disorders.
9. Oral phase of swallowing.
10. GERD.

[LK 0517]

MAY 2017

Sub. Code: 3013

**MASTER OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY EXAMS
SECOND YEAR
PAPER III – CLINICAL PHONOLOGY AND MOTOR SPEECH DISORDERS**

Q.P. Code : 433013

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Compare and contrast any two theories of phonology.
2. Discuss the neurophysiology of speech motor control.

II. Write notes on:

(10 x 6 = 60)

1. Explain the application of phonological awareness data in disorders of phonology.
2. Management of co-articulation in speech disorders and remediation.
3. Physiological studies on co-articulation.
4. Wilson's disease.
5. Etiology of swallowing disorders in children.
6. Explain the effectiveness of sound production treatment in managing apraxia of speech.
7. Unilateral upper motor neuron dysarthria.
8. Standardized test for assessment of dysarthria.
9. Symptoms of oro-pharyngeal dysphagia.
10. Explain the procedure which is best to use with a post surgical oro-pharyngeal cancer patient?

[LL 1017]

OCTOBER 2017

Sub. Code: 3013

**MASTER OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY EXAMS
SECOND YEAR
PAPER III – CLINICAL PHONOLOGY AND MOTOR SPEECH DISORDERS**

Q.P. Code : 433013

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Role of AAC in management of motor speech disorders.
2. Neurophysiology of speech motor control.

II. Write notes on:

(10 x 6 = 60)

1. Compensatory strategies of dysphagia management.
2. GERD.
3. Assessment of phonological disorder.
4. Wilson's disease.
5. Groping.
6. Bobath approach.
7. FDA.
8. Setting goals in children with phonological disorders.
9. Metaphonology.
10. Cranial nerves.

[LN 1018]

OCTOBER 2018

Sub. Code: 3013

**MASTER OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY EXAMS
SECOND YEAR
PAPER III – CLINICAL PHONOLOGY AND MOTOR SPEECH DISORDERS**

Q.P. Code : 433013

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain the neurological bases of speech motor system.
2. Update with recent developments on analysis of phonological processes. Explain research work done on phonological awareness in Indian context.

II. Write notes on:

(10 x 6 = 60)

1. Describe treatment practices based on minimal pairs and cognitive learning.
2. AAC.
3. Chorea.
4. Parkinson's disease.
5. Highlight the causes and clinical types of neurogenic swallowing disorders.
6. Explain the procedure which is best to use with a post surgical oro-pharyngeal cancer patient?
7. Differentially diagnose different types of dysarthria.
8. Physiological studies on co-articulation.
9. Utility of oromotor exercises in dysarthria.
10. Discuss the diagnostic issues in adult apraxias.

[LP 1019]

OCTOBER 2019

Sub. Code: 3013

**MASTER OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY EXAMS
SECOND YEAR
PAPER III – CLINICAL PHONOLOGY AND MOTOR SPEECH DISORDERS**

Q.P. Code : 433013

Time : Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Application of phonological theories in evaluation and management of phonological disorders.
2. Management of dysphagia.

II. Write notes on:

(10 x 6 = 60)

1. Types of phonological processes.
2. Disorders of swallowing in children.
3. Recent advances in management of Apraxia.
4. Development of phonological awareness.
5. Phases of swallowing.
6. Sensory motor processing in speech.
7. Metaphon theory and therapy.
8. Recent advances in diagnosis of Dysarthria.
9. Objective evaluation of swallow function.
10. Phonotactics and metalinguistic abilities in phonological disorders.

[LQ 1019]

NOVEMBER 2020
(MAY 2020 EXAM SESSION)

Sub. Code: 3013

MASTER OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY

SECOND YEAR

PAPER-III-CLINICAL PHONOLOGY AND MOTOR SPEECH DISORDERS

Q.P.Code: 433013

Time: Three hours

Maximum marks: 100 marks

I. Elaborate on:

(2 X 10=20)

1. Define Co-articulation . Describe the models of Co-articulation in detail.
2. Neural substrates and findings in Dysarthria and Apraxia.

II. Write notes on:

(10 X 6=60)

1. Disorders of Swallowing in children.
2. Radiological and Instrumental evaluation of Dysphagia.
3. Tests for diagnosis of Apraxia of speech.
4. Spasmodic Dysphonia.
5. Communication oriented treatment for Dysarthria.
6. Metaphon Therapy.
7. Promoting Phonological awareness in Preschool children with Phonological disorders.
8. Electro palatography.
9. Rating scales of Functional communication.
10. AAC for Apraxia.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0321]

MARCH 2021

Sub. Code: 3013

(OCTOBER 2020 EXAM SESSION)

MASTER OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY

SECOND YEAR (From 2010-2011 onwards)

PAPER-III-CLINICAL PHONOLOGY AND MOTOR SPEECH DISORDERS

Q.P. Code : 433013

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 X 10=20)

1. Neuro physiology and functional development of Sensori-Motor control.
2. Metaphon Theory and Therapy.

II. Write notes on:

(10 X 6=60)

1. Multi disciplinary management of Dysphagia.
2. Development of feeding skills.
3. Prosody in Apraxia.
4. Unilateral UMN Dysarthria.
5. Assessment of Intelligibility in Dysarthric Speakers (AIDS).
6. Prompts for Restructuring Oral Muscular Phonetic Targets.
7. Meta linguistic abilities in Phonological disorders.
8. Phonotactics.
9. Selection of targets for children with Phonological disorders.
10. Phonological awareness and Speech Sound disorder.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0122]

**JANUARY 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 3013

**MASTER OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
SECOND YEAR (From 2010-2011 onwards)
PAPER-III-CLINICAL PHONOLOGY AND MOTOR SPEECH DISORDERS
*Q.P. Code : 433013***

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 X 20=40)

1. The objective and subjective assessment in individuals with dysphagia.
2. Discuss the neurophysiology of speech motor control.

II. Write notes on:

(10 X 6=60)

1. Physiological studies on co-articulation.
2. Development of phonological awareness.
3. Target based and allophone based model of co-articulation.
4. Metaphon theory and therapy.
5. Neural substrate of Apraxia of Speech.
6. Recent advances in management of AOS.
7. Assessment of Speech intelligibility vs Speech comprehensibility.
8. FDA.
9. Isotonic versus isometric exercises for Dysphagia in children with Cerebral palsy.
10. Approaches in management of Dysphagia in patients with Parkinson's Disease.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1022]

OCTOBER 2022

Sub. Code: 3013

**MASTER OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
SECOND YEAR (From 2010-2011 onwards)
PAPER III - CLINICAL PHONOLOGY AND MOTOR SPEECH DISORDERS
Q.P. Code : 433013**

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 X 20=40)

1. a. What is the difference between Phonological Process and Phonological Awareness?
b. Write about the development, assessment and clinical implications of Phonological Awareness. Support your view on the importance of phonological Awareness intervention with any two Indian studies.
2. a. Define Dysarthria and its types.
b. Write about the recent advances in diagnosis, assessment and management of Dysarthria.

II. Write notes on:

(10 X 6=60)

1. What is IPA and its importance in the field of communication disorders?
2. Phonotactics.
3. What is co-articulation and its types with example. Explain any one model of Co-articulation.
4. Metaphon theory and therapy.
5. Role of Sensory information in Motor control.
6. Characteristics of Apraxia of speech.
7. Integral stimulation approach.
8. Phases of swallowing with a neat diagram.
9. Importance of multidisciplinary management of Dysphagia.
10. Barium Swallow Test.
