[LB 1012] **OCTOBER 2012** **Sub. Code: 3014**

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

SECOND YEAR

PAPER IV – SPEECH PERCEPTION AND ITS DISORDERS

Q.P. Code : 433014

Time : 3 hours **Maximum : 100 marks**

(180 Min)

Answer ALL questions in the same order.

I. Elaborate on :	**Pages (Max.)**	**Time (Max.)**	**Marks (Max.)**
1. Theories of infant speech perception and its application.	17	40	20
2. Effect of configuration and degree of sensori neural hearing loss on consonant perception.	17	40	20

II. Write Notes on:

1. Vowel perception in individual with Sensori neural hearing loss.	4	10	6
2. Speech perception difficulties in individual with auditory dyssynchrony.	4	10	6
3. Compare speech perception through Tactile, Auditory and visual modality.	4	10	6
4. Speech perception through Bone Anchored Hearing Aid.	4	10	6
5. Combined effect of noise and reverberation on speech perception in individual with Sensori neural hearing loss.	4	10	6
6. Compare major cues for place of articulation in normal hearing and hearing impaired.	4	10	6
7. Effect of no of channel on speech perception through hearing aids.	4	10	6
8. Studies on animal speech perception and their application.	4	10	6
9. Non-native speech perception.	4	10	6
10. Application of Speech intelligibility index.	4	10	6

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[LD 1013] OCTOBER 2013 Sub. Code: 3014

MASTER OF AUDIOLOGY AND SPEECH LANGUAGEPATHOLOGY (MASLP) DEGREE EXAMINATION

SECOND YEAR

PAPER IV – SPEECH PERCEPTION AND ITS DISORDERS

Q.P. Code: 433014

Time: Three hours **Maximum: 100 Marks**

Answer All questions

I Elaborate on: **(2x20 =40)**

1. How are speech and noise perceived by human beings?
2. Contrast cues to perceive vowels and stop consonants.

II. Write Short notes on: **(10 x 6 = 60)**

1. Categorical perception
2. Stroup effect
3. Factors influencing measurement of speech intelligibility
4. Speech Reception Threshold
5. Perception of fricatives
6. Methods to study infant speech perception
7. Effect of reverberation on speech perception
8. Perception of supra-segments
9. Factors affecting dichotic listening
10. Role of memory in consonant perception

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[LF 1014] **OCTOBER 2014** **Sub. Code: 3014**

MASTER OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY (MASLP) DEGREE EXAMINATION
SECOND YEAR
(2010-2011 Session onwards)
PAPER IV – SPEECH PERCEPTION AND ITS DISORDERS

Q.P. Code: 433014

Time: Three hours **Maximum: 100 Marks**

I. Elaborate on: **(2 x 20 = 40)**

1. Acoustic theory of speech perception.
2. Effects of hearing loss in speech perception.

II. Write notes on: **(10 x 6 = 60)**

1. Role of memory in perception of vowels
2. Speech perception in noise
3. Speech perception using BAHA
4. Perception through CI Vs. digital hearing aids
5. Methods to estimate infant speech perception
6. Signal enhancement
7. STI
8. Perception through tactile modality
9. Issues in speech perception
10. Speech Processing in the middle ear

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[LI 0416] APRIL 2016 **Sub. Code: 3014**

MASTER OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY
SECOND YEAR
PAPER IV – SPEECH PERCEPTION AND ITS DISORDERS

Q.P. Code : 433014

Time : Three hours **Maximum : 100 Marks**

I. Elaborate on: **(2 x 20 = 40)**

1. Categorical perception and its application in speech and hearing.
2. What are the issues in speech perception that requires attention in the rehabilitation of hearing impaired?

II. Write notes on: **(10 x 6 = 60)**

1. Articulation Index.
2. Perception of consonants in severe hearing loss.
3. Perception of segmental cues through tactile modality.
4. Factors influencing speech intelligibility.
5. Objective assessment of speech intelligibility.
6. Duplex perception.
7. Infant speech perception.
8. Animal perception.
9. Perception of suprasegmentals in middle ear implants.
10. Effect of stimulation rate of Cochlear Implants on speech perception.

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[LJ 1016] OCTOBER 2016 **Sub. Code: 3014**

MASTER OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY EXAMS
SECOND YEAR
PAPER IV – SPEECH PERCEPTION AND ITS DISORDERS

Q.P. Code : 433014

Time : Three hours **Maximum : 100 Marks**

I. Elaborate on: **(2 x 20 = 40)**

1. Explain various types and stages of memory in perception and storage of birds.

2. Compare speech perception through-cochlear implant and auditory brainstem implant.

II. Write notes on: **(10 x 6 = 60)**

1. Effect of signal to noise ratio on speech perception in central auditory processing disorders.
2. Perception of segmental cues through visual modality.
3. Perception of supra-segmental cues differ in hearing impaired infants and infants with normal hearing-Justify.
4. Perception of speech through BAHA.
5. Perceptual tests for speech intelligibility.
6. Categorical perception.
7. Signal enhancing strategies in hearing aids for improving perception of speech.
8. Theory of analyses by synthesis.
9. Factors affecting dichotic listening.
10. Role of memory in perception of speech.

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[LK 0517] MAY 2017 **Sub. Code: 3014**

MASTER OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY EXAMS
SECOND YEAR
PAPER IV – SPEECH PERCEPTION AND ITS DISORDERS

Q.P. Code : 433014

Time : Three hours **Maximum : 100 Marks**

I. Elaborate on: **(2 x 20 = 40)**

1. Acoustic theory of speech perception.
2. Contrast cues to perceive vowels and stop consonants.

II. Write notes on: **(10 x 6 = 60)**

1. Perception of supra-segmental through visual modality.
2. Role of memory in perception of consonants.
3. Factors affecting dichotic listening.
4. Duplex perception.
5. Comparison of infants and adult perception.
6. Effect of non native accent on speech perception.
7. Animal versus human perception.
8. Speech perception in noise.
9. Speech perception through hearing aids using signal enhancing features.
10. Comparison of perception through different devices.

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[LL 1017] OCTOBER 2017 **Sub. Code: 3014**

MASTER OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY EXAMS
SECOND YEAR
PAPER IV – SPEECH PERCEPTION AND ITS DISORDERS

Q.P. Code : 433014

Time : Three hours **Maximum : 100 Marks**

I. Elaborate on: **(2 x 20 = 40)**

1. Normalization of speech.

2. Perception of speech in adverse listening conditions.

II. Write notes on: **(10 x 6 = 60)**

1. Coding of speech in auditory cortex.
2. Auditory theory of speech perception.
3. Speech intelligibility index and its application.
4. Perception of segmental and supra segmental cues through visual modality.
5. Effect of configuration of hearing loss on perception of vowels and consonants.
6. Clinical applications of dichotic listening.
7. Effect of speech coding strategies on perception of speech through cochlear implants.
8. Effect of number of channels on perception of consonants and supra segmental cues through cochlear implants.
9. Effect of types of noise on speech perception.
10. Role of short term and working memory in perception of speech.

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[LN 1018] OCTOBER 2018 **Sub. Code: 3014**

MASTER OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY EXAMS
SECOND YEAR
PAPER IV – SPEECH PERCEPTION AND ITS DISORDERS

Q.P. Code : 433014

Time : Three hours **Maximum : 100 Marks**

I. Elaborate on: **(2 x 20 = 40)**

1. Speech Processing in the auditory system.
2. Perception of consonants in individuals with hearing impairment.

II. Write notes on: **(10 x 6 = 60)**

1. Articulation Index.
2. Lack of Invariance as an issue in speech perception.
3. Speech Perception through Auditory Brainstem Implant.
4. Effect of Noise on speech perception in Individuals with CAPD.
5. Factors affecting infant speech perception.
6. Stimulus based factors influencing speech intelligibility or speech perception.
7. Speech perception through hearing aids using signal enhancing features.
8. Methods to investigate infant perception.
9. Perception of segmentals through middle ear implants.
10. Effect of number of channels on speech perception through cochlear implants.

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[LO 0519] MAY 2019 **Sub. Code: 3014**

MASTER OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY EXAMS
SECOND YEAR
PAPER IV – SPEECH PERCEPTION AND ITS DISORDERS

Q.P. Code : 433014

Time : Three hours **Maximum : 100 Marks**

I. Elaborate on: **(2 x 20 = 40)**

1. Speech perception in noise – talk about its effects.
2. Speech intelligibility and factors influencing it.

II. Write notes on: **(10 x 6 = 60)**

1. Animal versus human perception.
2. Perception of consonants in individuals with a hearing impairment.
3. Effect of reverberation on speech perception.
4. Articulation index.
5. Role of memory in perception of speech.
6. Effect of number of channels.
7. Perception of segmental and suprasegmental cues through Middle ear implant and BAHA.
8. Perception of vowels, semivowels, and diphthongs in individuals with hearing impairment.
9. Effect of type, degree and audiogram configuration in perception of vowels and consonants.
10. Stroup effect.

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[LP 1019] OCTOBER 2019 **Sub. Code: 3014**

MASTER OF AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY EXAMS
SECOND YEAR
PAPER IV – SPEECH PERCEPTION AND ITS DISORDERS

Q.P. Code : 433014

Time : Three hours **Maximum : 100 Marks**

I. Elaborate on: **(2 x 20 = 40)**

1. Perception of consonants, vowels, semivowels, and diphthongs in individuals with hearing impairment.

2. Infant Perception in detail.

II. Write notes on: **(10 x 6 = 60)**

1. Effect of coding strategy.
2. Theories and models of speech perception.
3. Short term memory and speech perception. Describe in detail.
4. Effect of non-native accent on speech perception.
5. Stroup effect.
6. Effect of stimulation rate of Cochlear Implants on speech perception.
7. Speech perception through Bone Anchored Hearing aid.
8. Compare speech perception through-cochlear implant and auditory brainstem Implant.
9. Factors affecting dichotic listening.
10. Speech intelligibility index and its application.

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

[AHS 0122] **JANUARY 2022** **Sub. Code: 3014**
(OCTOBER 2021 EXAM SESSION)

MASTER OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
SECOND YEAR (From 2010-2011 onwards)
PAPER IV - SPEECH PERCEPTION AND ITS DISORDERS
Q.P. Code : 433014

Time : Three hours **Answer ALL Questions** **Maximum : 100 Marks**

I. Elaborate on: **(2 X 20=40)**

1. Perception of speech in adverse listening conditions.
2. Theories of infant speech perception and its application.

II. Write notes on: **(10 X 6=60)**

1. Speech perception using BAHA.
2. Effect of stimulation rate of Cochlear Implants on speech perception.
3. Factors affecting dichotic listening.
4. Duplex perception.
5. Speech intelligibility index and its application.
6. Role of memory in perception of speech.
7. Acoustic theory of speech perception.
8. Categorical perception.
9. Animal versus human perception.
10. Clinical applications of dichotic listening.

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

[AHS 1022] **OCTOBER 2022** **Sub. Code: 3014**

MASTER OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY
SECOND YEAR (From 2010-2011 onwards)
PAPER IV – SPEECH PERCEPTION AND ITS DISORDERS

Q.P. Code: 433014

Time: Three hours **Answer ALL Questions** **Maximum: 100 Marks**

I. Elaborate on: **(2 x 20 = 40)**

1. Perception of speech in adverse listening conditions.

2. Theories of infant speech perception and its application.

II. Write notes on: **(10 x 6 = 60)**

1. Speech perception using BAHA.
2. Effect of stimulation rate of Cochlear Implants on speech perception.
3. Factors affecting dichotic listening.
4. Duplex perception.
5. Speech intelligibility index and its application.
6. Role of memory in perception of speech.
7. Acoustic theory of speech perception.
8. Categorical perception.
9. Animal versus human perception.
10. Clinical applications of dichotic listening.

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