

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER VI – COMMUNITY ORIENTED PROFESSIONAL PRACTICES IN  
SPEECH LANGUAGE PATHOLOGY AND AUDIOLOGY**

*Q.P. Code: 802326*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Social and economical implications, preventive education and the level of prevention.
2. Institution based and community based approaches to serve delivery and role of NGO's
3. Professional ethics for SLPS and code of ethics.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Infrastructure and budget for establishing services for communication disorders.
2. Public education – strategies for awareness.
3. Need for survey of communication disorders.
4. Integration of disabled in to the community.
5. Duties and responsibilities of SLP in CBR program.
6. Right to education Act –justify.
7. Public education and information – ways and means.
8. Allied professionals – list as per the priorities with SLPs as centre point.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Three needs for record keeping.
2. National Trust Act.
3. Status of disability in India – three major issues.
4. Classify Disability and impairment.
5. The Act that was passed on 1999 for the welfare of Autism, Cp, MR and multiple disabilities name & write the importance of it.
6. RTI – how will you handle legal issues on persons with disabilities
7. Two challenges faced by a person with CP and hearing loss.
8. List out basic equipments to establish rehabilitation centre in urban area.
9. Philosophy behind the services for the communication disordered population.
10. Review of services in India – your recommendation to improve them.

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*Q.P. Code: 802326*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Epidemiology of speech, language and hearing disorders.
2. Various approaches for service delivery.
3. Levels of prevention.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Role of NGOs in service delivery.
2. Importance of early diagnosis and management of high risk infant.
3. Explain the role of professional as a witness.
4. Various strategies to create awareness about hearing loss.
5. Vocational rehabilitation.
6. Importance of record maintenance.
7. Explain about the National Trust Act.
8. Professional ethics for SLPs.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Community Based Rehabilitation.
2. Role of grass root level workers.
3. Importance of team approach.
4. Importance of survey.
5. What is preventive education?
6. How to empower the disabled people?
7. Health promotion.
8. Methods to prevent hearing loss.
9. Prevalence and incidence.
10. UNCRPD Act.

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*Q.P. Code: 802326*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. What are the various approaches to service delivery? Explain about Community Based Rehabilitation in detail.
2. Scope of Audiology and Speech Language Pathology.
3. Write a note on prevention and different levels of prevention.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Role of NGO's in service delivery.
2. Person With Disability Act.
3. What is ASHA code of ethics?
4. The role of Audiologist in Industrial setup.
5. Write a note on vocational rehabilitation.
6. What is ICF 2001 and explain the same?
7. How budgeting and staffing is important in planning services?
8. What are the strategies for awareness, public education and information?

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Right to Education Act.
2. What is Incidence and Prevalence?
3. What is Epidemiology?
4. Importance of Early Identification and Intervention.
5. Explain Educational Rehabilitation.
6. Write about World Health Organization.
7. Define: Disability.
8. What is Consumer Protection Act?
9. District Rehabilitation Centre and its functions.
10. Importance of record keeping.

[LH 0815]

AUGUST 2015

Sub. Code: 2326

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**THIRD YEAR**

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SPEECH LANGUAGE PATHOLOGY AND AUDIOLOGY**

*Q.P. Code: 802326*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Different levels of prevention.
2. Rehabilitation Council of India.
3. Plan an establishment of services for communication disorders.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Diagnosis and management of hearing impaired infant.
2. Role of Audiologist in Educational set-up.
3. Consumer Protection Act.
4. Role of Radio and Audiovisual media in Public Awareness program.
5. Epidemiology of Speech, Language and Hearing disorders.
6. CBR programmes.
7. Importance of Vocational Rehabilitation.
8. Professional Ethics for SLP's.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Define Epidemiology.
2. Camps.
3. SLP in special school for M.R.
4. Street play in Speech and Hearing.
5. Name few equipments for rehabilitation of hearing impaired.
6. National Trust Act.
7. Right to education for persons with disability.
8. Ways of record keeping.
9. Team Approach.
10. ASHA.

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*Q.P. Code: 802326*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Duties and responsibilities of SLP in various settings.
2. Approaches to service delivery.
3. Strategies for Public awareness.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Prevalence Vs Incidence of Speech and Hearing disorders in India.
2. Right to Education Act.
3. Team members for communication disorders.
4. Why is record keeping important?
5. How is disability integrated into ICF 2001?
6. Infrastructure for speech therapy program for Hearing impaired.
7. Primary Vs Secondary prevention.
8. PWD Act.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. High Risk Register.
2. District Rehabilitation Centers.
3. Community health workers.
4. Name few equipments for C.P centre.
5. SLP as a legal witness.
6. Environmental Act.
7. Role of parents in Rehabilitation centre.
8. ASHA.
9. SLP as an Administrator.
10. Health Promotion.

[LJ 0816]

AUGUST 2016

Sub. Code: 2326

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR  
PAPER VI – COMMUNITY ORIENTED PROFESSIONAL PRACTICES IN  
SPEECH LANGUAGE PATHOLOGY AND AUDIOLOGY**

*Q.P. Code: 802326*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:** (3 x 10 = 30)

1. Highlight PWD Act and its importance to Speech and Hearing field.
2. How are different levels of prevention important for speech and hearing disorders?
3. Role of NGO in communication disorders.

**II. Write notes on:** (8 x 5 = 40)

1. Right to Information Act.
2. Application of ICF in speech and hearing field.
3. Team approach among allied health professionals.
4. High risk registers.
5. Prevalence Vs Incidence.
6. Merits and demerits of various form awareness strategies.
7. Write a proposal for establishing a rehabilitation centre.
8. Professional as a legal witness.

**III. Short answers on:** (10 x 3 = 30)

1. Legal Importance of documentation.
2. Special Education.
3. Camps.
4. RCI.
5. Define Epidemiology with example.
6. SLP in Industries.
7. Team members for a Cochlear Implant program.
8. Three equipments for voice evaluation.
9. Define health workers.
10. SLP and CBR program.

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*Q.P. Code: 802326*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Ways of delivering services to communication disorder population.
2. Rehabilitation council of India and act.
3. Code of ethics for SLPs.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Secondary vs tertiary prevention.
2. NGO.
3. Consumer protection act.
4. Write a proposal for establishing speech and hearing section in hospital.
5. Epidemiology of speech and hearing disorders.
6. Team members for a rehabilitation centre for multiple disabled.
7. Role of street plays and camps in public education.
8. Importance of early diagnosis and treatment of hearing impaired.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Community health workers.
2. UNCRPD Act.
3. Three special furniture for a C.P child.
4. Gross-root level workers.
5. Health promotion.
6. SLP in special school for M.R.
7. Speech and hearing disability in PWD act.
8. SLP as an administrator.
9. Surveys.
10. Prevalence – Define and give example.

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*Q.P. Code: 802326*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain the measures to be taken to conduct a survey on incidence and prevalence of communication disorders in a community.
2. Explain the legislative support for rehabilitation.
3. How to implement early detection and intervention program for communication disorders?

**II. Write notes on:**

**(8 x 5 = 40)**

1. Persons with Disability Act.
2. Record keeping.
3. Code of ethics in India.
4. Non-Government Organisation.
5. Consumer Protection Act.
6. Strategies for creating awareness.
7. Inclusive education.
8. Institution Based service delivery.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Vocational rehabilitation.
2. Sarva Shiksha Abhiyan.
3. Reverse integration.
4. Tertiary prevention.
5. High risk register.
6. Primary health center.
7. Use of Epidemiology in Communication disorders.
8. Individuals with Disabilities Education Act.
9. ALIMCO program.
10. Disability limitation.

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*Q.P. Code: 802326*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain the factors to be considered while selecting educational set up for a child with hearing impairment.
2. International classification of functioning, Disability and Health (ICF), 2001.
3. Explain the strategies for creating awareness about communication disorders.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Exclusive education.
2. Primary health workers.
3. Professional code of ethics.
4. Rehabilitation Council of India.
5. Primary prevention.
6. Vocational rehabilitation.
7. Report writing.
8. Early intervention.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Epidemiology.
2. Environmental act.
3. Grass root level workers.
4. Preventive education.
5. Institution based rehabilitation.
6. Neonatal hearing screening.
7. Education of deaf blind.
8. Role release.
9. John Tracy program.
10. Sarva Shiksha Abhiyan.

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*Q.P. Code: 802326*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on: (3 x 10 = 30)**

1. Explain the approaches for integration of individuals with hearing impairment into the community.
2. What is epidemiology? Explain the importance of epidemiology in management of communication disorders.
3. Explain ICF based management for people with disability.

**II. Write notes on: (8 x 5 = 40)**

1. Early intervention of hearing disorders.
2. Duties and responsibilities of Speech Language Pathologists.
3. Strategies for creating awareness about communication disorders.
4. ISHA code of ethics.
5. National Trust Act.
6. Community Based Rehabilitation.
7. Empowerment of parents of children with disability.
8. Vocational rehabilitation.

**III. Short answers on: (10 x 3 = 30)**

1. Third party disability.
2. High risk register.
3. PWD act.
4. Tertiary prevention.
5. Cleft lip and palate team.
6. ASHA workers.
7. Disability limitation.
8. Incidence and prevalence of communication disorders.
9. Documentation in legal issues.
10. Preventive education.

**BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY  
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*Q.P. Code: 802326*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain the importance of early intervention in communication disorders.
2. Explain strategies for empowerment of people with disabilities.
3. Elaborate on professional support in legal issues related to communication disorders.

**II. Write notes on:**

**(8 x 5 = 40)**

1. ICF based rehabilitation.
2. UNCRPD act.
3. Preventive measures in communication disorders.
4. Institution based rehabilitation.
5. District Rehabilitation Center.
6. Educational placement of children with hearing impairment.
7. Role of NGOs in service delivery.
8. Team approach in management of Cerebral Palsy.

**III. Short answers on:**

**(10 x 3 = 30)**

1. APGAR score.
2. Health promotion.
3. Consumer protection act.
4. Right to education act.
5. RCI Act
6. Sarva shiksha abhiyan.
7. Environmental barriers in rehabilitation.
8. Audiologist as a witness.
9. Sensitivity versus specificity.
10. Strategies for creating awareness.

**BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY  
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SPEECH LANGUAGE PATHOLOGY AND AUDIOLOGY**

*Q.P. Code: 802326*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Duties and responsibilities of SLP in various settings.
2. Levels of prevention and its importance in speech and hearing.
3. PWD Act and its application in Speech and Hearing filed.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Employment Act.
2. ADIP Scheme.
3. Importance of record keeping.
4. Camps with its merits and demerits in public awareness of Speech and Hearing disorders.
5. Role of parents in identification and management of Hearing impaired.
6. Strategies to create awareness for voice problems.
7. Role of ICF in the field of Speech and Hearing disability.
8. Right to Information Act.

**III. Short answers on:**

**(10 x 3 = 30)**

1. District rehabilitation centre.
2. UNCRPD Act.
3. Neonatal hearing screening.
4. CMCHIS.
5. Prevalence vs Incidence.
6. Associated problems with speech and hearing disorders.
7. Special Education.
8. Allied health professionals.
9. SLP as an administrator.
10. Team Members for a Cochlear Implant program.

**BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY**

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SPEECH LANGUAGE PATHOLOGY AND AUDIOLOGY**

*Q.P. Code: 802326*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Strategies for public awareness.
2. Rehabilitation council of India and its functions.
3. NGO and their role in Speech and Hearing.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Role of team members for a five year old child with autism.
2. Methods of record keeping and its importance.
3. Plan a rehabilitation centre for communication disorders.
4. Three levels of prevention.
5. CBR.
6. Industrial Audiologist.
7. National Trust Act.
8. Calculation of disability percentage for Hearing impairment.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Community health workers.
2. Any three AAC methods.
3. SLP in a special school for autism.
4. Documentation and its legal importance.
5. HRR.
6. Environmental Act.
7. ASHA.
8. Merits of camp based service delivery.
9. Epidemiology.
10. Health promotion.

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

[LR 1220]

**DECEMBER 2020  
(AUGUST 2020 EXAM SESSION)**

**Sub. Code: 2326**

**BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR – (Regulation from 2010-2011)  
PAPER VI – COMMUNITY ORIENTED PROFESSIONAL PRACTICES IN  
SPEECH LANGUAGE PATHOLOGY AND AUDIOLOGY  
Q.P. Code: 802326**

**Time: Three Hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Strategies for Public Awareness.
2. Rehabilitation Council of India and its functions.
3. NGO and their role in Speech and Hearing.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Role of team members for a five year old child with Autism.
2. Methods of Record keeping and its importance.
3. Plan a Rehabilitation centre for Communication disorders.
4. Three levels of Prevention.
5. CBR.
6. Industrial Audiologist.
7. National Trust Act.
8. Calculation of Disability percentage for Hearing impairment.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Community health workers.
2. Any three AAC methods.
3. SLP in a special school for Autism.
4. Documentation and its legal importance.
5. HRR.
6. Environmental Act.
7. ASHA.
8. Merits of Camp based service delivery.
9. Epidemiology.
10. Health promotion.

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**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER I – FLUENCY AND ITS DISORDERS**

*Q.P. Code: 802321*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Mention the factors which influence the development of fluency.
2. How will you carry out your assessment for a 21 year old adult who has stuttering problem since childhood.
3. Explain MIDVAS and Prolongation technique.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Explain fluency development in Indian children with any one supporting study.
2. Discuss the development of “intonation” and “stress” and their implications to therapy.
3. Explain Van Riper’s four tracks on development of stuttering.
4. “Demand-Capacity model explains the etiology of stuttering “. Justify this statement.
5. Explain characteristic features of cluttering.
6. How will you assess a child with normal non fluency
7. Write notes on “Transfer and Maintenance” of stuttering
8. Explain Perkin’s approach on fluency disorder.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Define the term “fluency disorders”.
2. Explain the different parameters that help in measuring rate of speech.
3. Mention the conditions under which stuttering decreases.
4. Explain: i) Adaptation effect          ii) Adjacency effect.
5. Define Diagnosogenic theory.
6. Mention the conditions which lead to relapses in stuttering.
7. Explain stuttering as an Asticipatory Avoidance behaviour.
8. Explain the role of imitation in onset and development of stuttering.
9. Explain the rationale for using modified airflow technique.
10. How Metronome is useful in fluency therapy sessions.

[LF 0212]

AUGUST 2014

Sub. Code: 2321

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER I – FLUENCY AND ITS DISORDERS**

*Q.P. Code: 802321*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. High light diagnosogenic learning theories of Stuttering.
2. Van Riper's Tracks and Peter's and Guitar's 5 developmental levels clustering and neurogenic stuttering.
3. Elaborate on MIDVAS and Perkin's approach.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Intonation.
2. Rhythm.
3. Shadowing.
4. DAF.
5. Desensitization.
6. Spasmodic dysphonia.
7. Developmental Stuttering.
8. Cluttering.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Normal non fluency.
2. Define stuttering.
3. Name the types of fluency disorders.
4. Shock therapy.
5. Define intonation.
6. Define stress.
7. Role of imitation in stuttering.
8. Onset of stuttering.
9. What is neurogenic stuttering.
10. Group therapy for stuttering.

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**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER I – FLUENCY AND ITS DISORDERS**

*Q.P. Code: 802321*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Differentially diagnose normal non-fluency, Developmental Stuttering, and Neurogenic stuttering.
2. Define cluttering. Explain with characteristics and therapy techniques for cluttering.
3. Organic theories of stuttering.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Influence of linguistic factors in stuttering.
2. One test to assess severity of stuttering.
3. Air flow and modified air flow technique.
4. Any 2 analogies for treating children with stuttering.
5. Development of speech and language in stuttering individuals.
6. Genetic influence in stuttering.
7. Van Riper's tracks.
8. How do you measure the progress in therapy in stutterers? Why is it important?

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Factors affecting rate of speech.
2. Disability of stuttering.
3. Intonation.
4. DAF.
5. MIDVAS.
6. Prolongation.
7. Pace technique.
8. Adaptation effect.
9. Causes for neurogenic stuttering.
10. Secondaries.

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

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**PAPER I – FLUENCY AND ITS DISORDERS**

*Q.P. Code: 802321*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe the psychological theories of stuttering.
2. Describe the development of continuity, rate and ease of speech in children.
3. Describe Neurogenic stuttering and its treatment methods.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Explain the T-TRIP test of rhythm.
2. Describe the primary features of stuttering.
3. Write note on Loci of stuttering.
4. What are the obligatory features of cluttering?
5. Explain any one test used to assess stuttering.
6. Describe the cerebral dominance theory of stuttering.
7. Explain any one Van Riper's Track of development of stuttering in children.
8. Explain the effect of DAF and shock therapy on stuttering.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Suprasegmentals in speech.
2. Effect of extralinguistic factors on rate of speech.
3. Shadowing technique.
4. Differentiate stuttering and cluttering.
5. Calculation of Percentage of syllables stuttered.
6. Mention three analogies used in treatment of stuttering in children.
7. Factors that reduce stuttering.
8. Differentiate stuttering and normal nonfluency.
9. Parenthetical remarks in speech.
10. Benefits of group therapy in stuttering.

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER I – FLUENCY AND ITS DISORDERS**

*Q.P. Code: 802321*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe the Van Riper's tracks of development of stuttering in children.
2. Explain the organic theories of stuttering.
3. Describe how you would assess a five year old child with stuttering?

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Explain the features of cluttering.
2. Explain any two rate reduction techniques used in stuttering.
3. Explain the onset, prevalence and incidence of stuttering.
4. Elaborate on Lilly pad analogy of stuttering.
5. Write notes on associated problems in stuttering.
6. Elaborate the factors affecting rate of speech.
7. Write a note on linguistic aspects of stuttering.
8. Describe any one test of intonation.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Neurogenic stuttering.
2. Adaptation effect and consistency effect.
3. Stuttering in Monozygotic twins.
4. Factors that increase fluency.
5. Differentiate normal non fluency and stuttering.
6. What happens when demand is high and capacity is low?
7. Mention the features of spasmodic dysphonia.
8. MIDVAS
9. Effect of electrical shock in stuttering.
10. Effect of rhythmical tapping in cluttering.

[LJ 0816]

AUGUST 2016

Sub. Code: 2321

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER I – FLUENCY AND ITS DISORDERS**

*Q.P. Code: 802321*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Compare and contrast normal non fluency and developmental stuttering.
2. Define stuttering with Van Riper's 4 track model for stuttering.
3. Explain the treatment methods for cluttering.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Factors influencing the increase of stuttering.
2. Merits and demerits of group therapy in stuttering.
3. Relapse and recovery in stuttering.
4. Articulation Index.
5. Influence of linguistic factors in stuttering.
6. Role of imitation in stuttering.
7. Demand – capacity model.
8. MIDVAS.

**III. Short answers on:**

**(10 x 3 = 30)**

1. FIG.
2. Adaptation effect.
3. Types of effort.
4. Time out.
5. Stuttering in twins.
6. Cerebral dominance.
7. Disfluent vs dysfluent speech.
8. Stress.
9. Spasmodic dysphonia.
10. SPI.

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**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR**

**PAPER I – FLUENCY AND ITS DISORDERS**

*Q.P. Code: 802321*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. How do you assess a child of 3 years with dysfluent speech?
2. Functional theories of stuttering.
3. Differentially diagnose developmental stuttering with cluttering and mention few therapy techniques for each.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Factors reducing stuttering.
2. Prevention of stuttering.
3. Dimensions of fluency.
4. Peter's developmental levels.
5. Plan a group therapy schedule for stuttering.
6. Speech and language development in a stuttering individual.
7. How do you measure the progress in stuttering? Mention guidelines for maintenance of progress.
8. Any two methods to treat stuttering in children.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Effect of masking in stuttering.
2. Shadowing.
3. Anxiety.
4. Habit rehearsal technique.
5. Primary features of stuttering.
6. Adjacency effect.
7. Prolongation.
8. Suprasegmentals.
9. Slit reading.
10. Associated problems.

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER I – FLUENCY AND ITS DISORDERS**

*Q.P. Code: 802321*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Elaborate on the factors which influence the development of fluency.
2. a) Highlight diagenetic theories and contrast with psychological theories of Stuttering.  
b) Barry Guitar's 5 developmental levels of stuttering.
3. The treatment methods for Cluttering and Neurogenic stuttering.

**II. Write notes on:**

**(8 x 5 = 40)**

1. The development of "intonation" and "stress" and their implications to therapy.
2. Genetic influence in stuttering.
3. Ways to measure the progress in therapy in stutterers? Why is it important?
4. T-TRIP test of rhythm.
5. The primary features of stuttering.
6. The effect of DAF and shock therapy on stuttering.
7. The factors affecting rate of speech.
8. Linguistic aspects of stuttering.

**III. Short answers on:**

**(10 x 3 = 30)**

1. The term 'Fluency' and "Fluency disorders".
2. The conditions which lead to relapses in stuttering.
3. Explain stuttering as an 'Anticipatory Avoidance behavior'.
4. SSI and SPI.
5. Group therapy for stuttering.
6. MIDVAS.
7. Calculation of Percentage of syllables stuttered.
8. Three analogies used in treatment of stuttering in children.
9. Types of effort.
10. Disfluent vs dysfluent speech.

**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR**

**PAPER I – FLUENCY AND ITS DISORDERS**

*Q.P. Code: 802321*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Sequences involved in therapy procedures of stuttering.
2. Organic theories of stuttering.
3. Differentially diagnose developmental stuttering , neurogenic stuttering, cluttering.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Prevention of stuttering.
2. Importance of counseling and follow-up in stuttering.
3. Merits and demerits of group therapy in stuttering.
4. Hereditary factors in stuttering.
5. Factors reducing stuttering.
6. Role of imitation in stuttering.
7. Van Riper's tracks.
8. Assessment of normal non fluency.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Time Out.
2. Stuttering in twins.
3. SSI.
4. Define Cluttering.
5. Shock Therapy.
6. Factors influencing rate of speech.
7. Slit reading.
8. Habit rehearsal technique.
9. Associated problems with stuttering.
10. Shadowing.

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**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR**

**PAPER I – FLUENCY AND ITS DISORDERS**

*Q.P. Code: 802321*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. How do you assess a child of 3 years 6 months with dysfluent speech?
2. Functional theories of stuttering.
3. Explain treatment methods for cluttering.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Influence of linguistic factors in stuttering.
2. Factors influencing fluency.
3. Speech and language development in stuttering individual.
4. One test to assess severity of stuttering in adults.
5. Relapse and recovery in stuttering.
6. Differentiate between Primary and secondary stuttering.
7. MIDVAS.
8. Highlight on any two treatment methods to improve fluency in children.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Effects of DAF in stuttering.
2. Adjacency effect.
3. Desensitization.
4. Secondaries.
5. Types of effort.
6. Stuttering vs spastic dysphonia.
7. Shadowing.
8. Cerebral dominance.
9. Pace Technique.
10. Calculation of percentage of stuttering.

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**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR**

**PAPER I – FLUENCY AND ITS DISORDERS**

*Q.P. Code: 802321*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Differentiate normal non fluency and developmental stuttering  
Describe any two therapy techniques for each.
2. Developmental levels of stuttering.
3. Explain cluttering with its characteristics and treatment procedures.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Plan a group therapy schedule for adult stuttering.
2. Guidelines for maintenance of progress in stuttering.
3. Loci of stuttering.
4. Air flow vs modified air flow technique.
5. Cultural factors influencing stuttering.
6. Neurogenic stuttering – Causes and characteristics.
7. Genetic influence on stuttering.
8. Procedure and Use of SSI vs SPI.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Prolongation.
2. Supra segmental.
3. Anxiety.
4. Garden hose technique.
5. Parental counseling for normal non fluency.
6. Types of pauses.
7. Associated problems with cluttering.
8. Auditory feedback and stuttering.
9. Reinforcement.
10. Stuttering severity rating scale.

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**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR**

**PAPER I – FLUENCY AND ITS DISORDERS**

*Q.P. Code: 802321*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Define cluttering. Highlight characteristics and management.
2. Differentially diagnose spasmodic dysphonia, neurogenic stuttering and developmental stuttering.
3. What are the speech characteristics of five year old normal non fluency child? Explain any two techniques to treat.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Peter's developmental levels.
2. Diagnosogenic theory.
3. Assessment of normal non fluency.
4. Define group therapy. What are its merits and demerits?
5. Influence of linguistic factors in stuttering.
6. Role of imitation in stuttering.
7. Measurement procedures for progress in stuttering.
8. MIDVAS.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Shock therapy.
2. Cerebral dominance.
3. Causes for neurogenic stuttering.
4. Define dysfluency.
5. Relapse in stuttering.
6. Rational for prolongation technique.
7. Influence of socioeconomic status in stuttering.
8. Modeling.
9. Finger thumb analogy.
10. Consistency effect.

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**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR**

**PAPER I – FLUENCY AND ITS DISORDERS**

*Q.P. Code: 802321*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Differentially diagnose normal non-fluency and developmental Stuttering.
2. Treatment methods for twenty four year old stutter.
3. Functional theories of stuttering.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Factors reducing stuttering.
2. Primary vs Secondary stuttering.
3. Guitar's developmental levels of stuttering.
4. How hereditary plays a role in stuttering?
5. Relapse and recovery in stuttering.
6. Assessment of neurogenic stuttering.
7. Dimensions of fluency.
8. Air flow vs Modified air flow technique.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Effect of DAF on stuttering.
2. Slit reading.
3. Habit rehearsal.
4. Secondaries.
5. Desensitisation.
6. SPI.
7. Calculation of percentage of stuttering.
8. Counseling parents of normal non fluency.
9. Garden hose analogy.
10. Define fluency.

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[LR 2321]

DECEMBER 2020  
(AUGUST 2020 EXAM SESSION)

Sub. Code: 2321

**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR – (Regulation 2010 -11)**

**PAPER I – FLUENCY AND ITS DISORDERS**

*Q.P. Code: 802321*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3x10=30)**

1. Explain in detail about management of Neurogenic Stuttering
2. Elaborate on Theories of Stuttering
3. Normal Non fluency

**II. Write Notes on:**

**(8x5=40)**

1. Main characteristics of Stuttering
2. Explain shortly on management of Cluttering
3. Explain shortly about development of Stuttering
4. Techniques and strategies of Stuttering
5. Write notes on sequence of therapy procedures in Stuttering
6. Short notes on assessment of Neurogenic Stuttering
7. Primary and secondary characteristics of Stuttering
8. Relapse and recovery of Stuttering

**III. Short Answers on:**

**(10x3=30)**

1. Development of rate of Speech and Rhythm
2. Onset of Stuttering
3. Role of Imitation
4. Organic Theory of Stuttering
5. Developmental Stuttering
6. Group and Individual Therapy for Stuttering
7. Types of Fluency disorders
8. Development of Intonation
9. Masking
10. Psychogenic Stuttering

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**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER III – MOTOR SPEECH DISORDERS**

*Q.P. Code: 802323*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:** **(3 x 10 = 30)**

1. Importance of normal neuromuscular development for normal speech and language development.
2. Speech Characteristics in different types of dysarthrias.
3. Types of augmentative and alternative communication methods and their use in children with motor speech disorders.

**II. Write notes on:** **(8 x 5 = 40)**

1. Toxic causes for dysarthria in adults.
2. Use of vegetative exercises in C.P children.
3. Respiratory assessment in dysarthrias.
4. Any two Neuro surgical techniques for C.P children.
5. Juvenile progressive bulbar palsy.
6. Associated problems with C.P.
7. Pace technique and use of metronome in dysarthrias.
8. Dysphagia in neuromuscular disorders.

**III. Short Answers on:** **(10 x 3 = 30)**

1. Non-verbal apraxia.
2. Brainstem.
3. Palilalia.
4. Causes of C.P.
5. Ataxia.
6. Multiple sclerosis.
7. Swallowing phases.
8. Polyneuritis.
9. Three differences between dysarthria and functional articulation disorders.
10. Name few prosthesis for improving dysarthric speech.

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR  
PAPER III – MOTOR SPEECH DISORDERS**

*Q.P. Code: 802323*

**Time: Three hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:**

**(3x10=30)**

1. Discuss in detail speech and language problems of children with cerebral palsy.
2. What is AAC? Its application in developmental Dysarthria.
3. A 6 year old child was medically diagnosed to have spastic cerebral palsy. Showed spasticity of limbs, trunk and oral structures. Oral mechanism examination reveals poor lip seal, restricted lateral and elevated tongue movements. Design an assessment and treatment programme for respective swallowing difficulties.

**II. Write Notes on:**

**(8x5=40)**

1. Parkinson's Disease
2. Huntington's chorea
3. Facial palsy
4. Symbol selection procedure in AAC for DAS and developmental Disorder.
5. Supraglottic swallow
6. Differential diagnosis for Dysarthria and functional articulation disorders.
7. Oral sensorimotor facilitation techniques for adult Dysarthria.
8. Strategies to improve speech intelligibility in adults with AOS.

**III. Short Answers on:**

**(10x3=30)**

1. Dysphagia
2. Peripheral nervous system
3. List out the motor areas in cerebral cortex and its functions with a neat diagram.
4. Difference between spasticity and rigidity
5. Babinski reflex
6. Fasciculation
7. Cog-wheel phenomenon
8. List out the speech intelligibility assessment scales
9. Define non-verbal apraxia with illustration
10. List out different methods for management of swallowing disorders.

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**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER III – MOTOR SPEECH DISORDERS**

*Q.P. Code: 802323*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. A 72 year male diagnosed as Parkinson's disorder came to the department of speech language pathology along with swallowing difficulty. Describe the management for the same.
2. Explain the assessment protocol for Apraxia Of Speech in adults.
3. Explain the management of Cerebral Palsy.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Huntington's chorea.
2. Explain 2 manoeuvres which helps in reducing aspiration.
3. Explain the characteristics of Spastic Cerebral Palsy.
4. Describe the speech characteristics of Apraxia in adults.
5. Importance of Evidence Based Practice on the assessment of Neurogenic speech disorders.
6. Explain the pyramidal tract with diagram.
7. Differential diagnosis of Dysarthria from Aphasia.
8. Explain about different subcortical structures with diagram.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Congenital supranuclear palsy.
2. Phelps approach.
3. Write a note on Caudate Nucleus.
4. Candidacy for AAC.
5. Define: a) Tremor      b) Myoclonus      c) Tics.
6. Spasticity Vs rigidity.
7. Reflex inhibitory posture.
8. Motor Neuron Diseases.
9. Mention any compensatory approaches to correct articulatory errors in dysarthria.
10. Write the functions of the Upper Motor Neuron system.

[LH 0815]

AUGUST 2015

Sub. Code: 2323

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER III – MOTOR SPEECH DISORDERS**

*Q.P. Code: 802323*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Team approach to children with cerebral palsy in their rehabilitation.
2. Application of alternative and anugmentative communication methds in developmental dysarthria.
3. Infection conditions and Traumatic Conditions of the nervous systems.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Hypokinetic dysarthria.
2. Spasticity, rigidity and flaccidity.
3. Types of dysarthria in adults.
4. Etiology of swallowing disorders.
5. Differential diagnosis - dysarthria and other developmental disorders.
6. Phelps Technique.
7. Meabolic conditions leading to dysarthria.
8. Mechanical dysphagia related to glassectomy.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Define Developmental Apraxia of speech.
2. Correction of Respiratory and Articulatory errors.
3. Multiple sclerosis.
4. Strategies to improve intelligibility of speech.
5. Assessment of dysphagia.
6. Therapy technique to improve chewing.
7. Motor control of speech.
8. Juvenile progressive bulbar palsy.
9. Reflex profile.
10. Athetosis.

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**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER III – MOTOR SPEECH DISORDERS**

*Q.P. Code: 802323*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Causes and classification of cerebral palsy.
2. Central Nervous System and Peripheral Nervous System in speech motor control.
3. Management of developmental Apraxia of Speech.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Differential Diagnosis of Dysarthria and other developmental disorders.
2. Motor Neuron diseases.
3. Disadvantages and advantages of instrumental analysis of speech in dysarthria.
4. Medical and Prosthetic approaches to speech Therapy in Dysarthria.
5. Assessment and intervention of Dysphagia.
6. Motor control by sub-cortical structures, brain stem and spinal cord.
7. TIC disorder and myoclonic jerks.
8. Congenital Supra-nuclear palsy.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Amyotrophic lateral sclerosis.
2. Neoplasm in adults leading to dysarthria.
3. Non-verbal Apraxia of Speech.
4. Duchenne Muscular Dystrophy.
5. Centrifugal pathways.
6. Reflex Profile.
7. Ataxia and Dystonia.
8. Techniques for communication in AAC.
9. Polyneuritis and Neurosyphilis.
10. Physiological Methods in Assessment of Dysarthria.

[LJ 0816]

AUGUST 2016

Sub.Code :2323

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER III – MOTOR SPEECH DISORDERS**

*Q.P. Code: 802323*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Vascular disorders leading to dysarthria in adults.
2. Speech and language problems of children with cerebral palsy.
3. Different etiological factors of cerebral palsy.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Aetiology of swallowing disorders.
2. Management of Apraxia of speech.
3. Differential diagnosis of dysarthria from aphasia and allied disorders.
4. Mechanical dysphagia related to Glossectomy.
5. Differential diagnosis between dysarthria and apraxia of speech.
6. Congenital Supranuclear palsy.
7. Guillain Barre Syndrome.
8. Neuromuscular development in children with cerebral palsy.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Degenerative disease.
2. Define Dysphagia.
3. Facial Nerve.
4. Speech Intelligibility rating scales.
5. Role of cerebellum in speech.
6. Broca's area.
7. Wernicke's area.
8. Feed back and feed forward pathways of cerebellum.
9. What is Alternative and Augmentative Communication?
10. Differentiate aided and unaided systems of AAC.

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[LK 0217]

FEBRUARY 2017

Sub.Code :2323

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER III – MOTOR SPEECH DISORDERS**

*Q.P. Code: 802323*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Associated problems of Cerebral Palsy.
2. Write about Oral Sensory Motor Facilitation techniques.
3. Elaborate on assessment of dysarthria.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Application of Alternative and Augmentative Communication in Apraxia of speech in adults.
2. Neuromuscular development in normal children.
3. Assessment of swallowing disorders.
4. Classification of Apraxia.
5. Role of Basal ganglia.
6. Centrifugal pathways and motor control.
7. Vegetative exercise for cerebral palsy.
8. Differentiate hypokinetic and hyperkinetic dysarthria.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Spastic grin.
2. Locked in syndrome.
3. Explain – Dysmetria.
4. Explain Reflex Profile.
5. Motor Neuron Disease.
6. Write about rebound phenomena.
7. What is dyssynergia?
8. Visual problems in cerebral palsy.
9. Multisensory cueing techniques.
10. Melodic Intonation Therapy for apraxia.

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[LL 0817]

AUGUST 2017

Sub.Code :2323

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR**

**PAPER III – MOTOR SPEECH DISORDERS**

*Q.P. Code: 802323*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:** **(3 x 10 = 30)**

1. Central Nervous System and Peripheral Nervous System in speech motor control.
2. Assessment and management of Dysarthria.
3. Speech and language problems of children with cerebral palsy.

**II. Write Notes on:** **(8 x 5 = 40)**

1. Oral sensory motor facilitation technique.
2. Juvenile progressive bulbar palsy.
3. Two maneuvers which help in reducing aspiration?
4. Significant speech and language findings in degenerative diseases.
5. Team approach in rehabilitation of CP.
6. Aetiology of swallowing disorders.
7. Management of Apraxia of speech.
8. Differential diagnosis between Dysarthria and Apraxia of speech.

**III. Short Answers on:** **(10 x 3 = 30)**

1. Sensory motor integration.
2. Guillain- Barre syndrome.
3. a) Ballismus b) Tremor c) Tics
4. Swallowing phases.
5. Spasticity, rigidity and flaccidity.
6. LMN Dysarthria.
7. Ataxia and Dystonia.
8. Feed back and feed forward pathways of cerebellum.
9. Alternative and Augmentative Communication.
10. Pathological reflexes.

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**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER III – MOTOR SPEECH DISORDERS**

*Q.P. Code: 802323*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Upper Motor Neuron and Lower Motor Neuron paralysis: Differentiate.
2. The assessment protocol for Apraxia of Speech in adults.
3. The management of Cerebral Palsy.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Juvenile progressive bulbar palsy.
2. Pace technique and use of metronome in Dysarthria.
3. Huntington's chorea.
4. Explain two maneuvers which help in reducing aspiration.
5. Importance of Evidence Based Practice on the assessment of Neurogenic speech disorders.
6. Hypokinetic vs Hyperkinetic dysarthria.
7. Disadvantages and advantages of instrumental analysis of speech in dysarthria.
8. Differential diagnosis between dysarthria and Apraxia of speech.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Constructional Apraxia.
2. Swallowing phases.
3. Prosthesis used for improving Dysarthric speech.
4. Duchenne Muscular Dystrophy.
5. Techniques for communication in AAC.
6. Strategies to improve intelligibility of speech.
7. Therapy technique to improve chewing.
8. Use of quality of life measures in MSD.
9. Degenerative disease.
10. Differentiate aided and unaided systems of AAC.

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**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER III – MOTOR SPEECH DISORDERS**

*Q.P. Code: 802323*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Central Nervous System and Peripheral Nervous System in speech motor control.
2. A 72 year male diagnosed as having 'Lewy Body Dementia' came to the department of speech language pathology along with swallowing difficulty. Describe the management for the same.
3. Application of alternative and augmentative communication methods in developmental dysarthria.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Dysarthria due to exogenic and endogenic causes.
2. Juvenile progressive bulbar palsy.
3. Associated problems with C.P.
4. Compensatory approaches for management of Dysarthria.
5. Huntington's chorea.
6. Bobath approach.
7. Spasticity, rigidity and flaccidity.
8. Apraxia of speech.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Palilalia and Copralalia.
2. FDA.
3. Causes of C.P.
4. Ataxia and Athetosis.
5. Multiple sclerosis.
6. Three differences between dysarthria and functional articulation disorders.
7. Strategies to improve intelligibility of speech.
8. Pathological vs physiological reflex.
9. PROMPT.
10. Symptoms of UMN paralysis.

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**B.Sc. AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR  
PAPER III – MOTOR SPEECH DISORDERS**

*Q.P. Code: 802323*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe the sensorimotor control of speech.
2. Describe the speech and language characteristics of children with cerebral palsy.
3. Describe in detail the phases of normal swallow.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Describe the causes of cerebral palsy.
2. Parkinson's disease and its characteristics.
3. Write short notes on isometric exercises for lips and tongue.
4. What is Prompt in apraxia therapy?
5. Explain one approach to improve speech intelligibility.
6. Describe speech characteristics in traumatic brain injury.
7. Explain high tech AAC with example.
8. Explain instrumental assessment of respiratory system in person with dysarthria.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Difference between dysarthria and apraxia of speech.
2. Types of apraxia.
3. Mendelson maneuver for swallow.
4. Prosthesis used in dysarthria management.
5. Advantage and disadvantage of instrumental analysis in speech dysarthria.
6. Benefits of oral sensorimotor facilitation techniques.
7. Subcortical structures in speech production.
8. What is Palilalia?
9. List few infectious conditions that causes dysarthria in adults.
10. Advantages of using AAC.

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**B.Sc. AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR  
PAPER III – MOTOR SPEECH DISORDERS**

*Q.P. Code: 802323*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe the instrumental analysis of dysarthria.
2. Describe the candidacy for AAC and types of AAC.
3. Elaborate on the assessment of Dysphagia.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Compensatory approach to improve prosody in dysarthria.
2. Toxic condition that causes dysarthria.
3. Duchenne Muscular dystrophy.
4. Characteristics of Huntingtons Chorea.
5. Write note on reflex testing in cerebral palsy.
6. Team approach to rehabilitation of motor speech disorders.
7. Importance of partner training in AAC.
8. Write a note on Verbal and Nonverbal apraxia.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Differentiate dysarthria and aphasia.
2. Causes of Traumatic brain injury.
3. Three phases of swallow.
4. Spirometer.
5. Genetic conditions causing dysarthria.
6. Functions of basal ganglia.
7. Speech characteristic of spastic cerebral palsy.
8. Myoclonus, tremor and tic disorder.
9. Principle of Bobaths approach.
10. Prosthesis used in Dysarthria management.

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**B.Sc. AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY**  
**THIRD YEAR**

**PAPER III – MOTOR SPEECH DISORDERS**

*Q.P. Code: 802323*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe importance of orosensory examination in assessment of motor speech disorders.
2. Describe the methods used for management of apraxia of speech.
3. Justify the importance of using AAC in adults with motor speech disorders.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Classification of cerebral palsy.
2. Reflex profiling of children with cerebral palsy.
3. Differentiate verbal and non verbal apraxia.
4. Explain one genetic condition for dysarthria.
5. Write notes on features of glossectomy speech.
6. Elaborate on maneuvers for management of swallow.
7. Explain vegetative exercises in speech therapy.
8. Write a note on Franchay Dysarthria Assessment.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Define PROMT approach.
2. Differentiate apraxia versus aphasia.
3. Characteristics of Parkinson's disease.
4. Isometric versus isotonic exercises.
5. Kinematic analysis of dysarthria.
6. Dysarthria rating scale.
7. List degenerative diseases in adult motor speech disorders.
8. Speech characteristics of Guillain Barre Syndrome.
9. Team members in management of swallow.
10. Functions of cerebellum.

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

**[LR 1220]**

**DECEMBER 2020  
(AUGUST 2020 EXAM SESSION)**

**Sub. Code: 2323**

**BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR – (Regulation from 2010-2011)**

**PAPER III – MOTOR SPEECH DISORDERS**

***Q.P. Code: 802323***

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe importance of Oro Sensory Examination in assessment of Motor Speech Disorders.
2. Describe the methods used for management of Apraxia of Speech.
3. Justify the importance of using AAC in adults with Motor Speech Disorders.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Classification of Cerebral Palsy.
2. Reflex profiling of children with Cerebral Palsy.
3. Differentiate Verbal and Non- verbal Apraxia.
4. Explain one Genetic condition for Dysarthria.
5. Write notes on features of Glossectomy Speech.
6. Elaborate on Maneuvers for management of Swallow.
7. Explain Vegetative exercises in Speech Therapy.
8. Write a note on Franchay Dysarthria Assessment.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Define PROMT approach.
2. Differentiate Apraxia versus Aphasia.
3. Characteristics of Parkinson's disease.
4. Isometric versus Isotonic Exercises.
5. Kinematic analysis of Dysarthria.
6. Dysarthria rating scale.
7. List Degenerative diseases in Adult Motor Speech disorders.
8. Speech characteristics of Guillain Barre Syndrome.
9. Team members in management of Swallow.
10. Functions of Cerebellum.

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[LD 0212]

AUGUST 2013

Sub. Code: 2321

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER II – NEUROGENIC LANGUAGE DISORDERS IN ADULTS**

*Q.P. Code: 802322*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Etiology and classification of Aphasia based on anatomical, linguistic and Psycho linguistic aspects.
2. Definition, classification and clinical features of associated problems in Aphasia.
3. Explain Brain and Language relationship with a neat diagram.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Western Aphasia Battery.
2. Bilingual Aphasia Test.
3. Traumatic Brain injury.
4. Language disorders in Dementia.
5. Individual counseling for Aphasic.
6. Family Counseling for Aphasic.
7. Multilingualism.
8. Regression hypothesis.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Paraphrasia.
2. Anomia.
3. Alexia.
4. Boston Naming Test.
5. Revised Token Test.
6. Dementia.
7. Melodic Intonation Therapy.
8. Visual Action Therapy.
9. Spontaneous recovery.
10. Prognostic Indicators.

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**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER II – NEUROGENIC LANGUAGE DISORDERS IN ADULTS**

*Q.P. Code: 802322*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Define Aphasia. How will you differentially diagnose a Wernicke's aphasic from other sensory aphasias?
2. Write a note on connectionist's model of aphasia.
3. Write in detail about the speech and language areas in the brain and draw a neat diagram of the same.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Write a note on cranial nerves those play an important role in speech and language functions.
2. Write a note on TBI – causes, characteristics, assessment and treatment strategies.
3. Discuss the significance of cerebral plasticity and hemispheric lateralization.
4. Write a note on prefrontal cortex.
5. Recovery patterns of Aphasia in bilingual/multilingual.
6. Associated problems in aphasia.
7. Describe the physiological changes that take place during recovery.
8. Write in detail the principle and steps in MIT.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Differentiate Primary progressive aphasia Vs. Dementia.
2. Factors influencing aphasia recovery.
3. CT Scan.
4. Mini Mental Status Examination.
5. Thalamus.
6. Western Aphasia Battery.
7. Transcortical sensory Vs. Transcortical motor aphasia.
8. AAC for Aphasics.
9. Spontaneous recovery.
10. Team approach in aphasic treatment.

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER II – NEUROGENIC LANGUAGE DISORDERS IN ADULTS**

*Q.P. Code: 802322*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain the linguistic and non linguistic characteristics of Right Hemisphere damage and its assessment procedures.
2. Discuss various treatment techniques for persons with non fluent aphasia.
3. Describe the language characteristics and associated problems in Aphasia.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Lurian classification of aphasia.
2. Western Aphasia battery.
3. Characteristics of Primary Progressive Aphasia.
4. Family Counselling for patients with Aphasia.
5. Subjective evaluation of cranial nerves.
6. Sub-cortical Aphasia.
7. Stimulation Facilitation Approach.
8. Non linguistic impairments in persons with Aphasia.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. De-blocking.
2. Anomia.
3. Ischemic Stroke.
4. Lichtheim's model.
5. Response elaboration therapy.
6. Porch index of communicative abilities.
7. Mini mental state examination (MMSE).
8. Anosagnosia and Prosopagnosia.
9. WADA test.
10. Alzheimer's disease.

[LH 0815]

AUGUST 2015

Sub. Code: 2322

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER II – NEUROGENIC LANGUAGE DISORDERS IN ADULTS**

*Q.P. Code: 802322*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Classification of Aphasia based on Anatomical, linguistic and Psychological aspects.
2. Specific neurological examination procedures (higher functions- cranial nerves, motor and sensory systems and reflexes).
3. Prognostic indicators, specific therapy techniques and principles of therapy.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Explain the do's and don'ts in family counselling.
2. Shuell's auditory stimulation and thematic language stimulations.
3. Group therapy.
4. Linguistic characteristics of Right hemisphere dysfunction.
5. Primary progressive Aphasia.
6. Assessment of language disorders in dementia.
7. Neurobehavioural clinical features in various types of Aphasias.
8. Loss vs interferences in neurogenic disorders.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Principle of management in dysarthria.
2. Cortico bulbar tract.
3. Steps to improve chewing.
4. Signs to identify pseudobulbar palsy.
5. Agnosia and anomia - define.
6. Jacobson's classification of Anomia.
7. Western Aphasia Battery.
8. Mention electrophysiological investigations useful in adult communication disorders.
9. PICA and BDAE.
10. Reading disorders in Aphasia.

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**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER II – NEUROGENIC LANGUAGE DISORDERS IN ADULTS**

*Q.P. Code: 802322*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Neurological lesions affecting speech, language and hearing.
2. Justify team approach and counseling.
3. Associated problems in Aphasia: Their definition, classification and clinical features.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Melodic Intonation Therapy.
2. Spontaneous Recovery.
3. Group Therapy.
4. Individual Counselling and Spouse and Family Counselling.
5. Traumatic Brain Injury.
6. Differential Diagnosis of Adult Neurogenic Disorders.
7. Regression Hypothesis.
8. Clinical Functions of Aphasia with respect to psycho-social aspects.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Agrammatism.
2. Apraxia.
3. Pathophysiology of Conduction Aphasia.
4. Signs to identify Wilson's Disease.
5. Parkinson's Disease.
6. Unidimensional vs. multi-dimensional breakdown.
7. Multilingualism in Aphasia Recovery.
8. Agraphia.
9. Revised Token List.
10. Deblocking techniques used in Aphasia Therapy.

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR  
PAPER II – NEUROGENIC LANGUAGE DISORDERS IN ADULTS**

*Q.P. Code: 802322*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain the role of left hemisphere in processing speech and language in detail with a neat diagram.
2. What are the various neurological investigations that can be carried out in adults with language disorders? Explain them in detail.
3. Explain Traumatic brain injury, its etiology, classification, assessment and management.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Individual and family counseling in aphasia.
2. Selection criteria for different types of AAC in Aphasia.
3. Prognostic indicators for recovery in patients with stroke.
4. Western Aphasia Battery.
5. Reorganization and relearning in brain.
6. Brain Hemorrhage.
7. Linguistic clinical features of Brocas aphasia.
8. Schuell's auditory stimulation approach.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Deblocking.
2. Plasticity.
3. Confrontation naming.
4. Dysgraphia.
5. Working memory.
6. Neglect.
7. Pure word deafness.
8. Circumlocution.
9. Occipital lobe.
10. Name three reflexes tested in neurological examination.

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**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR  
PAPER II – NEUROGENIC LANGUAGE DISORDERS IN ADULTS**

*Q.P. Code: 802322*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Differentiate bedside language assessment from diagnostic language assessment in patients with aphasia.
2. Explain dementia – its aetiology, clinical characteristics, assessment and management.
3. Explain how auditory and visual processing of lexical items take place in brain?

**II. Write notes on:**

**(8 x 5 = 40)**

1. Multilingualism.
2. Spontaneous recovery and changes in brain.
3. Clinical features of trans cortical sensory aphasia.
4. Middle cerebral artery stroke.
5. Magnetic resonance imaging, its principle and application in language disorders.
6. Thematic language stimulation.
7. Melodic intonation therapy.
8. Primary progressive aphasia.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Palilalia.
2. Word retrieval deficits.
3. Amusia.
4. Code switching.
5. Paraphasia.
6. Cranial nerve V.
7. Electro Encephalogram.
8. Visual Evoked Potential.
9. Alexia without agraphia.
10. Prosopagnosia.

**B.Sc. AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY****THIRD YEAR****PAPER II – NEUROGENIC LANGUAGE DISORDERS IN ADULTS***Q.P. Code: 802322***Time: Three Hours****Maximum: 100 Marks****Answer all questions****I. Elaborate on: (3 x 10 = 30)**

1. Explain specific neurological examination procedures (higher functions-cranial nerves, motor and sensory systems and reflexes).
2. What is the principle behind melodic intonation therapy? Describe the states of this therapy.
3. Explain different types of aphasia based on the neurological aspects, depicting Brodmann's area with the suitable diagram.

**II. Write notes on: (8 x 5 = 40)**

1. Neurobehavioral clinical features in various types of Aphasia.
2. Write about Sub-cortical Aphasia.
3. Discuss the factors that influence spontaneous recovery in people with aphasia.
4. Enumerate the specific AAC strategies for Indian Context.
5. Difference between aphasia and dysarthria.
6. Discuss Shuell's auditory stimulation and thematic language stimulation approach.
7. Language disorders in dementia.
8. How will you counsel the family members of persons with aphasia?

**III. Short answers on: (10 x 3 = 30)**

1. Define agnosia and anomia.
2. Plasticity.
3. Perseveration and its types.
4. Pathophysiology of conduction aphasia.
5. Right hemisphere language battery.
6. Regression Hypothesis.
7. Neologisms.
8. Porch Index of communicative abilities.
9. Cueing Hierarchy.
10. Magnetic resonance imaging - MRI.

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**BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR  
PAPER II – NEUROGENIC LANGUAGE DISORDERS IN ADULTS**

*Q.P. Code: 802322*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Write a note on connectionist's model of aphasia.
2. Explain the linguistic and non-linguistic characteristics of Right Hemisphere damage and its assessment procedures.
3. Explain Traumatic brain injury, its etiology, classification, assessment and management.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Describe the language characteristics and associated problems in Aphasia.
2. Explain in detail the Thematic language stimulation approach.
3. Explain cranial nerves and its functions.
4. Explain the causes and characteristics of primary progressive Aphasia.
5. Write about functional communication profile.
6. Explain the Lurian classification of Aphasia.
7. Describe the family counseling for patients with Aphasia.
8. Selection criteria for different types of AAC in Aphasia.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Pragmatic skills in Aphasia.
2. Agrammatism.
3. Alexia without agraphia.
4. Ischemic stroke.
5. WADA test.
6. Response elaboration therapy.
7. Types of naming.
8. Bilingual aphasia.
9. Circumlocution.
10. Higher language functions.

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**BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR**

**PAPER II – NEUROGENIC LANGUAGE DISORDERS IN ADULTS**

*Q.P. Code: 802322*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Discuss the neurophysiological correlates of language processing in the brain based on evidence from people with aphasia.
2. Elaborate on the assessment procedure of a person with aphasia who reports to your clinic.
3. Discuss various treatment techniques for persons with non fluent aphasia.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Explain the repetition skills in various types of aphasias.
2. Write a note on crossed aphasia.
3. Difference between aphasia and apraxia of speech.
4. Explain the characteristics of conduction aphasia based on its neural connections.
5. Describe the effectiveness of Alternative Augmentative Communication in aphasia.
6. Discuss the significance of cerebral plasticity and hemispheric lateralization.
7. Explain Promoting Aphasics Communicative effectiveness treatment technique.
8. Write a note on Recovery patterns in bilingual aphasia.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Pure word blindness.
2. Sub-cortical aphasia.
3. Paraphasia.
4. Dynamic aphasia.
5. Computerized Tomography Scan.
6. Revised token test.
7. Lichtheim's model.
8. Contribution of Carl Wernicke to aphasiology.
9. Helm Elicited Program for Syntax Stimulation (HELPSS).
10. De-blocking.

**BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR**

**PAPER II – NEUROGENIC LANGUAGE DISORDERS IN ADULTS**

*Q.P. Code: 802322*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe the Bostonian classification of aphasias.
2. Describe and discuss any two neurolinguistic models of language processing.
3. Discuss the linguistic deficits in people with traumatic brain injury.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Aetiologies of aphasia.
2. Explain the recovery patterns in bilingual aphasia.
3. Discuss the criteria for diagnosis of primary progressive aphasia.
4. Prepare a list of home assignments for a client with Wernicke's aphasia that would supplement your treatment goals and improve generalization.
5. What are the important similarities and differences observed between individual and group treatment?
6. Differentially diagnosis dementia and aphasia.
7. Explain any one therapy technique to improve the syntactic ability in aphasia.
8. Explain the informal methods to assess neurogenic language disorder?

**III. Short answers on:**

**(10 x 3 = 30)**

1. Alexia and Agraphia.
2. Promoting Aphasics Communication Effectiveness.
3. Thalamic aphasia.
4. Conversational Prompting.
5. Pure word deafness.
6. Association areas.
7. Bilingual Aphasia Test.
8. Paraphasia.
9. Dynamic aphasia.
10. Glasgow Coma Scale.

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**BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR**

**PAPER II – NEUROGENIC LANGUAGE DISORDERS IN ADULTS**

*Q.P. Code: 802322*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:** **(3 x 10 = 30)**

1. Discuss the neurophysiological correlates of language processing in the brain based on evidence from aphasia.
2. Elaborate on the assessment procedure of a person with aphasia who reports to your clinic.
3. Compare and contrast the communication deficits associated with Right Hemisphere Damage with those commonly associated with other neurologic disorders such as aphasia, dementia and Traumatic brain injury.

**II. Write notes on:** **(8 x 5 = 40)**

1. Explain the recovery patterns and prognosis in persons with language disorders.
2. What are the characteristics of a person with aphasia who might benefit from written choice communication?
3. Explain repetition skills in various types of aphasias.
4. What are the similarities and differences between multidisciplinary, interdisciplinary and trans disciplinary team?
5. Discuss the linguistic deficits in people with primary progressive aphasia.
6. State the differences between cortical and subcortical aphasia.
7. How will you counsel the family members and the client with aphasia?
8. Write the Augmentative and alternative strategies for adults with language disorders.

**III. Short answers on:** **(10 x 3 = 30)**

1. Connectionist model.
2. Conduction aphasia.
3. Visual action therapy.
4. Pure word blindness.
5. Perseveration.
6. Dementia.
7. Boston Diagnostic Aphasia Examination.
8. De-blocking.
9. Concussion and contusion.
10. Jargon.

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**BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY**  
**THIRD YEAR**

**PAPER II – NEUROGENIC LANGUAGE DISORDERS IN ADULTS**

*Q.P. Code: 802322*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:** **(3 x 10 = 30)**

1. Compare and contrast the communication deficits associated with right hemisphere damage with those commonly associated with other neurologic disorders such as aphasia, dementia and traumatic brain injury.
2. Discuss the relevance of assessing all languages in multilingual persons with aphasia. Add a note on bilingual aphasia test.
3. Delineate the stimulation and behavior modification approach to aphasia rehabilitation.

**II. Write notes on:** **(8 x 5 = 40)**

1. Describe any two aphasias using Lichtheime's model of language processing.
2. Linguistic deficits in right hemisphere damage.
3. Describe the age related changes in adults with language disorders.
4. Explain the strategies useful to incorporate family members productively in therapy and help them to create a positive communication environment.
5. Discuss the factors that influence spontaneous recovery in people with aphasia.
6. Explain the site of lesion, general and language characteristics of Broca's aphasia.
7. Define melodic intonation therapy. What is the principle behind melodic intonation therapy? Describe the stages of this therapy.
8. Explain various factors affecting language recovery in aphasia.

**III. Short answers on:** **(10 x 3 = 30)**

1. Crossed aphasia.
2. Supplemental motor areas.
3. Response elaboration training.
4. Contribution of Carl Wernicke to aphasiology.
5. Schizophasia.
6. Naming.
7. Dementia and Anomic aphasia.
8. Pragmatics.
9. Circumlocution.
10. Agrammatism.

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

**[LR 2322]**

**DECEMBER 2020  
(AUGUST 2020 EXAM SESSION)**

**Sub. Code: 2322**

**BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR – (Regulation from 2010-2011)**

**PAPER II – NEUROGENIC LANGUAGE DISORDERS IN ADULTS**

*Q.P. Code: 802322*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Write in detail about Luria's Model of language processing and production. Explain pathophysiology of various Neurogenic Language disorders.
2. Elaborate on linguistic and Non- linguistic characteristics of Right Hemisphere Damage and its assessment procedure.
3. Explain in detail about the Candidacy, principle and stages in Melodic Intonation Therapy?

**II. Write notes on:**

**(8 x 5 = 40)**

1. Circle of Willis.
2. Characteristics of Non- Fluent aphasia.
3. Etiology of Aphasia.
4. Pathophysiology of Conduction Aphasia.
5. Prognostic indicators in recovery of Aphasia.
6. Western Aphasia Battery- Revised (WAB- R).
7. Linguistic characteristics and types of Primary Progressive Aphasia.
8. Thematic Language Stimulation.

**III. Short answers on:**

**(10 x 3 = 30)**

1. What is Neologism?
2. Agrammatism.
3. Ischemic stroke.
4. Structure of Basal Ganglia and its functions.
5. Crossed Aphasia.
6. Types of Memory.
7. Recreational Therapy.
8. Mini mental state Examination.
9. Coup and Contra coup injuries.
10. Candidacy of Visual Action Therapy (VAT).

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

**[AHS 0122]**

**JANUARY 2022**

**Sub. Code: 2322**

**(FEBRUARY 2021 & AUGUST 2021 EXAM SESSION)**

**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR – (Regulation from 2010-2011)**

**PAPER II – NEUROGENIC LANGUAGE DISORDERS IN ADULTS**

***Q.P. Code: 802322***

**Time: Three Hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on: (3 x 10 = 30)**

1. Classification and clinical features of aphasia.
2. Assessment of speech and language in individuals with language disorder.
3. Role of family and friends in intervention process of adult language disorder.

**II. Write notes on: (8 x 5 = 40)**

1. Etiology of aphasia.
2. Neurological assessment of sensory and motor systems.
3. Western Aphasia Battery.
4. Primary Progressive Aphasia.
5. Importance of intensive language therapy following diagnosis and discharge.
6. Alternative and augmentative communication.
7. Pathophysiology of neurological lesion affecting speech and language.
8. Brocas Aphasia.

**III. Short answers on: (10 x 3 = 30)**

1. Reflexes tested in adults.
2. Electroencephalogram.
3. Verbal Apraxia with aphasia.
4. Circumlocution.
5. Boston Naming Test.
6. Cueing.
7. Group therapy.
8. Team members in the intervention of Traumatic Brain Injury.
9. Acquired dyslexia.
10. Auditory comprehension.

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**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER V – NOISE MEASUREMENTS AND HEARING CONSERVATION**

*Q.P. Code: 802325*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. The need for hearing conservation programme and steps in hearing conservation.
2. Claims for hearing loss – compare Indians and westerns regulation.
3. Indian studies, Acts and regulation related to noise.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Permanent threshold shift, speech interference level and articulation index.
2. Two audiological evaluations other than PTA and brief on them.
3. Measurement of traffic noise and community noise.
4. Three merits and demerits of ear protective devices.
5. California variation in laws.
6. Types of noise.
7. American Acts on damage risk criteria.
8. Steps to be followed in hearing conservation programme.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Expand and explain:  
(a) CHABA (b) AAOO (c) ASA –Z245.
2. Three properties of ear protective devices.
3. Tolerance and stability
4. What is calibration and mention the need for calibration.
5. Tests for susceptibility.
6. Audioanalgesia, effects of noise on CNS and other senses.
7. Expand and write on PNdB & PNL.
8. TTS and two examples for TTS.
9. Impulsive noise and intermittent noise.
10. Noise criteria curves and noise reduction rating.

[LF 0212]

AUGUST 2014

Sub. Code: 2325

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER V – NOISE MEASUREMENTS AND HEARING CONSERVATION**

*Q.P. Code: 802325*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain the calibration of headphones, bone vibrator and speech.
2. What are the auditory effects of noise?
3. Explain about the Hearing Conservation Program.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Temporary Threshold Shift and the recovery patterns.
2. Damage Risk Criteria.
3. Tests for assessing susceptibility.
4. Findings of VEMP in NIHL.
5. Sound Level Meter.
6. Noise Reduction Ratio.
7. Sources and types of noise.
8. High Frequency Audiometry and its advantages.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Impact and impulse noise.
2. Frequency analyzer.
3. Harmonic distortion.
4. Exchange rate.
5. Weighting networks.
6. Temporal summation.
7. Recruitment.
8. Importance of speech audiometry.
9. EPA act related to compensation of hearing loss.
10. Noise Induced Permanent Threshold Shift.

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**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER V – NOISE MEASUREMENTS AND HEARING CONSERVATION**

*Q.P. Code: 802325*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Effects of noise on hearing.
2. Instrumentation and procedure for indoor and outdoor measurement of ambient noise.
3. Need for hearing conservation program and steps in hearing conservation program.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Damage Risk Criteria and procedure to establish damage risk criteria.
2. Environmental protection Agency and OSHA.
3. Advantages of ear plugs.
4. Noise control.
5. Assessment of community noise.
6. Worker training program.
7. Two procedures on Audit program effectiveness.
8. Effects of noise on work efficiency and performance.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. a) Impulse noise      b). fluctuating noise.
2. The risk of significant permanent damage versus repeated exposure to noise.
3. Time weighted average equivalent.
4. Difference between noise isolating headphones and noise cancelling headphones.
5. "Noise free hours" and its importance.
6. Common noise exposure levels in dBA scale for:  
a) jet engine.    b) average conversation,    c) thunderclap    d) food blender.
7. Expand : a) PNdB    b) PNL    c) EPNL    d) NL
8. Articulation Index and Speech Interference Level.
9. Audio analgesic effects on central nervous system.
10. Tests for susceptibility.

[LH 0815]

AUGUST 2015

Sub. Code: 2325

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER V – NOISE MEASUREMENTS AND HEARING CONSERVATION**

*Q.P. Code: 802325*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Audiological findings in NIHL.
2. Types of EPD's with its merits and demerits.
3. Biological and Instrumental Calibration of AC transducers.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Differentiate TTS and PTS. Mention the recovery patterns in TTS.
2. Compare and contrast PNL, EPNL .
3. Assessment of susceptibility.
4. Measurement of traffic noise.
5. Instrumentation for measurement of NIHL.
6. Air force regulation.
7. Types of weighting networks in SLM and its rules.
8. Procedure for Indoor measurement of noise.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Define Noise.
2. Impulsive Vs Impact Noise.
3. Speech Interference Level.
4. Noise reduction rating.
5. Baseline Audiogram.
6. CHABA.
7. Noise isolating headphones.
8. Fluctuating noise.
9. Importance of noise free hours.
10. Vascular changes due to noise.

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[LI 0216]

FEBRUARY 2016

Sub. Code: 2325

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER V – NOISE MEASUREMENTS AND HEARING CONSERVATION**

*Q.P. Code: 802325*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. How do you plan Hearing Conservation program for Industries?
2. Methods to evaluate for claims in NIHL.
3. Non auditory effects of noise.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. How does noise affect the performance and work efficiency?
2. Different types of noises with examples.
3. Importance of OAE and Impedance in NIHL.
4. Measurement of Aircraft noise.
5. Compare and Contrast ear muffs and ear plugs.
6. Importance of periodical hearing assessment in NIHL.
7. Noise criteria curves.
8. What is Presbycusis? How do you apply correction in NIHL?

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Name three sources of noises.
2. Steady Vs non-steady noise.
3. TTS.
4. PNdB.
5. SNR.
6. Baseline audiometry.
7. Sound level meter.
8. AAOO.
9. Importance of Speech audiometry.
10. Walsh – Healey Act.

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**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**  
**THIRD YEAR**  
**PAPER V – NOISE MEASUREMENTS AND HEARING CONSERVATION**

*Q.P. Code: 802325*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Instrumentation and Procedure for various indoor and outdoor noise measurements.
2. What are the non – auditory effects of noise?
3. Explain any five acts related to noise.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Speech Interference Level.
2. Explain the tests of susceptibility.
3. Damage Risk Contours.
4. Instrumental calibration of headphones.
5. Distinguish between temporary threshold shift and permanent threshold shift.
6. Attenuation characteristics of various Ear Protective Devices (EPD's).
7. Explain Perceived noise in dB (PNdB) and Perceived noise level (PNL).
8. What are the different sources of noise?

**III. Short answers on:**

**(10 x 3 = 30)**

1. Signal to noise ratio (SNR).
2. Fletcher point eight formula.
3. Effects of noise on work efficiency and performance.
4. Steps in hearing conservation program.
5. Distinguish between ear muffs and Helmets.
6. Audiological findings in NIHL.
7. Compound threshold shift.
8. Metabolic changes due to noise exposure.
9. Impact Noise.
10. Write a note on test environment for performing audiological evaluation.

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**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**  
**THIRD YEAR**  
**PAPER V – NOISE MEASUREMENTS AND HEARING CONSERVATION**

*Q.P. Code: 802325*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Importance of hearing conservation program and explain the procedure.
2. Instrumental calibration of air conduction and bone conduction transducers.
3. Define noise. Explain different sources of noise.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Effects of noise on work efficiency and performance.
2. Noise Criteria Curves (NCC).
3. Damage risk criteria.
4. Properties of Ear Protective Devices (EPD's).
5. Auditory Toughening.
6. Ear plugs Vs Ear muffs.
7. Occupational Safety and Health Act (OSHA).
8. Recovery patterns in temporary threshold shift.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Audioanalgesia.
2. AAOO method.
3. Effective Perceived noise level (EPNL).
4. Environmental Protection Agency.
5. Air force regulation.
6. Intermittent noise.
7. Role of OAE in the diagnosis of NIHL.
8. Write a note on stability of Ear Protective Devices (EPD's).
9. Vascular changes due to noise exposure.
10. Effects of noise on sleep.

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**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**  
**THIRD YEAR**  
**PAPER V – NOISE MEASUREMENTS AND HEARING CONSERVATION**

*Q.P. Code: 802325*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Audiological findings in noise induced hearing loss.
2. Calibration of transducers used in audiometric evaluation.
3. Significance of hearing conservation program and steps involved in the same.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Properties of Ear protective devices that determine their efficacy.
2. Attenuation characteristics of Ear protective devices.
3. Damage Risk Criteria.
4. Indian noise standards.
5. High frequency audiometry.
6. Types of noise.
7. Tests for susceptibility.
8. Articulation Index.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Toughening.
2. Special hearing protectors.
3. Perceived Noise Level.
4. Occupational Safety and Health Act.
5. Noise Reduction Rating (NRR).
6. Fletcher point eight formula.
7. Sound level meter.
8. Noise Dosimeter.
9. Environmental Protection Agency.
10. Walsh Healey Act.

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**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR**

**PAPER V – NOISE MEASUREMENTS AND HEARING CONSERVATION**

*Q.P. Code: 802325*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Histopathological changes related to excessive noise exposure.
2. Instrumentation and procedure for measurement of noise levels.
3. Types of Ear Protection Devices, their merits and demerits.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Articulation Index.
2. Tests for susceptibility.
3. Audiometric findings in NIHL.
4. Temporary Threshold Shift and recovery patterns.
5. Attenuation.
6. Speech Interference Level.
7. Effect of noise on communication.
8. Indian noise standards.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Special hearing protectors.
2. Noise criteria curves.
3. Effective Perceived Noise Level.
4. High frequency audiometry.
5. Noise Dosimeter.
6. Damage risk contours.
7. Types of noise.
8. Sources of noise.
9. Sound Level Meter.
10. Biological Calibration.

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**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR**

**PAPER V – NOISE MEASUREMENTS AND HEARING CONSERVATION**

*Q.P. Code: 802325*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Non-auditory effects of noise.
2. Factors affecting the efficacy of Ear Protection Devices.
3. Role of legislation in preventing the hazardous effects of noise.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Damage Risk Contours.
2. Instrumental calibration of transducers.
3. Attenuation.
4. Audiometric findings in NIHL.
5. Types of noise.
6. Speech Interference Level.
7. Effect of noise on communication.
8. Permanent threshold shift and Temporary Threshold Shift.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Committee on Hearing Bioacoustics and Biomechanics.
2. Fletcher point eight formula.
3. Occupational Safety and Health Act.
4. Noise Reduction Rating (NRR).
5. Sound level meter.
6. Walsh Healey Act.
7. Calibration.
8. Articulation Index.
9. Steps in Hearing Conservation Program.
10. Sources of noise.

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**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR**

**PAPER V – NOISE MEASUREMENTS AND HEARING CONSERVATION**

*Q.P. Code: 802325*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Auditory effects of noise exposure.
2. Histopathological changes with noise exposure.
3. Effects of noise on communication.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Articulation index.
2. Perceived noise level.
3. Audioanalgesia.
4. Non-auditory effects of noise on other senses.
5. Dosimeter.
6. Audiometry in NIHL.
7. Brief tone audiometry.
8. Biological calibration for AC and BC transducers.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Occupational safety and health act.
2. Air force regulation.
3. Environmental protection agency.
4. Walsh-Healey act.
5. Indian noise standards.
6. Effect of noise on work efficiency and performance.
7. Weighting networks in sound level meter.
8. Types of sound level meters.
9. Toughening.
10. Signal to noise ratio.

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**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR**

**PAPER V – NOISE MEASUREMENTS AND HEARING CONSERVATION**

*Q.P. Code: 802325*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Tests for susceptibility for NIHL.
2. Hearing conservation program.
3. Role of legislation in preventing the hazardous effects of noise.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Temporary threshold shift recovery patterns.
2. Mechanical changes with noise exposure.
3. Sound level meter.
4. Indian noise standards.
5. Oto-acoustic emissions in NIHL.
6. Instrumental calibration for AC and BC transducers.
7. Measurement of industrial noise.
8. Damage risk criteria.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Vascular changes with noise exposure.
2. Metabolic changes with noise exposure.
3. Noise reduction rating.
4. Noise criteria curves.
5. Bounce effect.
6. Fletcher point eight formula.
7. Asymptotic threshold shift.
8. Walsh Healey Act.
9. Damage risk contours.
10. High frequency audiometry in NIHL.

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**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER V – NOISE MEASUREMENTS AND HEARING CONSERVATION**

*Q.P. Code: 802325*

**Time: Three Hours**

**Maximum : 100 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Need for hearing conservation program.
2. Evaluation of attenuation characteristics of various ear protective devices.
3. Instrumentation for indoor noise measurements.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Different types of noise.
2. Damage risk criteria.
3. Indian noise standards.
4. Calibration of head phones.
5. Factors in claim evaluation.
6. Environmental protection agency.
7. Effects of noise on work efficiency and performance.
8. Tests of susceptibility

**III. Short answers on:**

**(10 x 3 = 30)**

1. Temporary threshold shift.
2. Dosimeter.
3. Ear muffs.
4. AMA method.
5. Mechanical changes occurring due to noise exposure.
6. Weighting networks.
7. Manual audiometer.
8. Effective perceived noise level.
9. Intermittent noise.
10. Audioanalgesia.

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

[LR 1220]

**DECEMBER 2020  
(AUGUST 2020 EXAM SESSION)**

**Sub. Code: 2325**

**BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR – (Regulation from 2010-2011)  
PAPER V – NOISE MEASUREMENTS AND HEARING CONSERVATION  
Q.P. Code: 802325**

**Time: Three Hours**

**Answer ALL questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Need for Hearing Conservation program.
2. Evaluation of Attenuation characteristics of various ear Protective Devices.
3. Instrumentation for Indoor Noise measurements.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Different types of Noise.
2. Damage Risk criteria.
3. Indian Noise standards.
4. Calibration of Head phones.
5. Factors in Claim Evaluation.
6. Environmental Protection agency.
7. Effects of Noise on Work Efficiency and Performance.
8. Tests of Susceptibility

**III. Short answers on:**

**(10 x 3 = 30)**

1. Temporary Threshold Shift.
2. Dosimeter.
3. Ear Muffs.
4. AMA Method.
5. Mechanical changes occurring due to Noise Exposure.
6. Weighting Networks.
7. Manual Audiometer.
8. Effective Perceived Noise level.
9. Intermittent Noise.
10. Audio Analgesia.

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

**[AHS 0122]**

**JANUARY 2022**

**Sub. Code: 2325**

**(FEBRUARY 2021 & AUGUST 2021 EXAM SESSION)**

**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR – (Regulation from 2010-2011)**

**PAPER V – NOISE MEASUREMENTS AND HEARING CONSERVATION**

***Q.P. Code: 802325***

**Time: Three Hours**

**Answer ALL questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Elaborate on the steps in hearing conservation program.
2. Describe the instrumentation for outdoor noise measurements.
3. Damage risk criteria and Damage risk contours.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Special hearing protectors.
2. Auditory toughening.
3. Recovery patterns in Temporary Threshold Shift.
4. Different sources of noise.
5. Noise Criteria Curves.
6. Calibration of bone vibrator.
7. Occupational Safety and Health Act.
8. Non auditory effects due to noise exposure.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Correction for presbycusis.
2. Testing environment when carrying out audiological evaluation.
3. Air Force Regulations.
4. Speech Interference Level.
5. Automatic audiometer.
6. Ear plugs.
7. CHABA.
8. Impact noise.
9. Articulation Index.
10. Compound Threshold Shift.

**\*\*\*\*\***

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER IV – REHABILITATIVE AUDIOLOGY**

*Q.P. Code: 802324*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain the components of Cochlear implant in detail with a neat diagram
2. Write a therapy plan for speech reading in 5 year old child. What are the modifications you do for speech reading in the environment?
3. What are the management options available for a child with cochlear aplasia. Critically evaluate the treatment options.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Types of cochlear implant.
2. Programming cochlear implants.
3. Speech characteristic of severe hearing impaired children.
4. Auditory perceptual difficulties in children with fluctuating conductive hearing loss.
5. Compare analytic and synthetic speech reading methods.
6. Auditory tracking.
7. Steps in Auditory training.
8. Selection of Assistive listening devices.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Neural response telemetry.
2. Mapping.
3. Homophenes.
4. Fine auditory discrimination.
5. Telephone amplifiers.
6. Tinnitus maskers.
7. Discriminate auditory awareness vs discrimination.
8. Differentiate hearing and listening.
9. McGurk effect.
10. Any two stages in auditory development.

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER IV – REHABILITATIVE AUDIOLOGY**

*Q.P. Code: 802324*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Elaborate on management of children with CAPD?
2. Explain Auditory Verbal Therapy?
3. Define speech reading and what are the factors affecting speech reading?

**II. Write notes on:**

**(8 x 5 = 40)**

1. Note on alerting devices that can be used in children with hearing loss.
2. What are the speech characteristics that can be seen in a congenitally deaf hearing impaired patient?
3. Devices used in the management of hyperacusis and tinnitus.
4. Components of CI.
5. Finger spelling and TADOMA.
6. Write a note on FM and induction loop system with its advantages and disadvantages.
7. Advantages and complications of Brainstem implant.
8. Give in detail the management option that can be given for a patient 68 years old diagnosed with bilateral moderately severe SN hearing loss.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Candidacy for Middle ear implant.
2. What are the benefits of various communication strategies?
3. What is cued speech.
4. Write a note on F0/F2 strategy.
5. Give any two activities for speech reading.
6. Compare and contrast bone conduction hearing aids and BAHA?
7. Need for early intervention of hearing impaired children.
8. Write the advantages of induction loop system.
9. ALD s for Deaf-Blind.
10. Management options for tinnitus.

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER IV – REHABILITATIVE AUDIOLOGY**

*Q.P. Code: 802324*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain in detail the factors affecting speech reading.
2. Explain the components of cochlear implant along with its basic functions.
3. A 76 years old male patient comes for hearing aid fitting. Explain in detail the steps you would follow to fit the hearing aid.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Hard wired system with advantages and disadvantages.
2. Bone conduction hearing aids Vs Bone anchored hearing aids.
3. The need for speech reading.
4. Methods to improve SNR in a classroom for Hearing Impaired children.
5. Hypercusic? Explain three management options for the same.
6. Management program for a deaf blind child.
7. Assistive listening devices that use visual modality.
8. Compare and contrast speech reading and lip reading.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Temporal ordering.
2. TADOMA.
3. AVT.
4. ALD.
5. Speech tracking.
6. Auditory figure ground.
7. Early intervention.
8. Draw and label the parts of a cochlear implant.
9. Preferential seating.
10. Auditory training.

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER IV – REHABILITATIVE AUDIOLOGY**

*Q.P. Code: 802324*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain various factors affecting auditory training in children.
2. What are various devices currently available for the management of the multiple handicapped children?
3. What are the principles and technology behind various implantable devices available for hearing impairment?

**II. Write notes on:**

**(8 x 5 = 40)**

1. Any two test for assessing speech reading ability.
2. Definition of auditory training.
3. Auditory training for adults.
4. Methods of speech reading.
5. Components of middle ear implant.
6. Candidacy of BAHA.
7. Speech encoding strategies.
8. Neural response telemetry.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Homophene.
2. Types of bone anchored hearing aid.
3. Steps in Erber's method of auditory training.
4. Types of Hyperacusis.
5. Dichotic task.
6. Alerting devices.
7. Devices for tinnitus management.
8. Auditory ALDs.
9. Telephone training.
10. Brainstem implant.

[LI 0216]

FEBRUARY 2016

Sub. Code: 2324

**B.Sc. AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER IV – REHABILITATIVE AUDIOLOGY**

*Q.P. Code: 802324*

**Time : Three Hours**

**Maximum : 100 marks**

**Answer ALL questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain components of cochlear implant in detail with neat diagram.
2. Explain auditory training and its methods with suitable examples.
3. Explain about tinnitus, its assessment and management for a person with hearing impairment.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Speech reading.
2. Speech characteristics of children with severe hearing impairment.
3. Management of deaf blind child.
4. Candidacy for bone anchored hearing aid.
5. Compensatory strategies for an adult with hearing impairment.
6. Deficit specific treatment approach for CAPD.
7. Visual assistive listening device.
8. Factors affecting auditory training.

**III. Short Answers on:**

**(10 x 3 = 30)**

1. Viseme.
2. Contraindication for middle ear implant.
3. Vestibular hyperacusis.
4. Residual inhibition.
5. Pitch matching.
6. Acoustic highlighting.
7. TADOMA.
8. Auditory closure.
9. Tactaid.
10. Analytical approach for speech reading.

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[LJ 0816]

AUGUST 2016

Sub. Code: 2324

**B.Sc. AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR  
PAPER IV – REHABILITATIVE AUDIOLOGY**

*Q.P. Code: 802324*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain various methods of training for speech reading in detail.
2. Explain the role of audition in speech and language development and its application in hearing impaired children.
3. Describe various components of cochlear implant with a neat diagram.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Visual Assistive listening devices.
2. Brainstem implants.
3. Burglar alarm.
4. Tadoma.
5. Speech characteristics of severe hearing impaired children.
6. Effect of age and motivation in auditory training.
7. Test for speech reading abilities.
8. Communication strategies.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Viseme.
2. Phonemic regression.
3. Acoustic highlighting.
4. Percutaneous BAHA.
5. Auditory closure.
6. Vibrotactile devices.
7. Auditory visual perception.
8. Natural approach for auditory training.
9. Speech processor.
10. Single channel vs Multichannel cochlear implants.

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**B.Sc. AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR  
PAPER IV – REHABILITATIVE AUDIOLOGY**

*Q.P. Code: 802324*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Write an auditory training program for 3 year old child with hearing impairment.
2. Compare selection criteria's for various implantable devices available in the market.
3. Explain assistive listening devices in detail.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Tinnitus retraining therapy.
2. Auditory verbal therapy.
3. Factors influencing speech reading.
4. Definition and historical background of auditory training.
5. Management of deaf blind child.
6. Deficit specific intervention in CAPD.
7. Auditory training in elderly population.
8. Compare individual vs group auditory training.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Visual characteristics of bilabials.
2. Auditory memory.
3. Anticipatory strategies.
4. Missing letter exercises.
5. Mnemonics.
6. Glove method.
7. Burglar alarm.
8. Channel vs frequency bands.
9. Continuous interleaved sampling strategy.
10. Non wearable tinnitus maskers.

**B.Sc. AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR  
PAPER IV – REHABILITATIVE AUDIOLOGY**

*Q.P. Code: 802324*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Explain various intrinsic and extrinsic factors of cochlear implant child to determine prognosis in auditory verbal therapy.
2. Describe visual characteristics of speech sound in detail with its application on hearing impaired individuals.
3. Explain various sound therapy options for individuals with tinnitus.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Transcutaneous Bone anchored Hearing aid.
2. Alerting devices.
3. Auditory comprehension.
4. Tactile devices for deaf blind.
5. Speech coding strategies in cochlear implant.
6. Synthetic method for speech reading.
7. Telephone training.
8. Auditory brainstem implant.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Phonemic regression.
2. Auditory closure activities.
3. Speech in noise training.
4. Group therapy.
5. McGurk effect.
6. Hyperacusis.
7. Objective tinnitus.
8. Optical character recognition.
9. Sensors in alerting devices.
10. Anticipatory strategies.

**BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR  
PAPER IV – REHABILITATIVE AUDIOLOGY**

*Q.P. Code: 802324*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe auditory, visual and tactile assistive listening devices.
2. Management options for individuals with multiple handicapped hearing impaired children.
3. Explain various components of cochlear implant in detail.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Tinnitus retraining therapy.
2. Candidacy selection for speech reading.
3. Acoustic highlighting.
4. Communication strategies.
5. Candidacy selection for assistive listening devices.
6. Influence of hearing loss on speech production.
7. Neural response telemetry.
8. Rehabilitation of individuals with auditory neuropathy.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Analytical approach.
2. Auditory awareness.
3. Critical age concept.
4. Note takers.
5. Tadoma.
6. Aural oral approach.
7. Mapping.
8. Contraindication for conventional hearing aid.
9. Osseointegration.
10. Tinnitus handicap inventory.

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**BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER IV – REHABILITATIVE AUDIOLOGY**

*Q.P. Code: 802324*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Components, candidacy, advantages and complications for middle ear implants and BAHA.
2. Management of multi handicapped hearing impaired children.
3. Factors affecting the efficacy of auditory training.

**II. Write notes on:**

**(8 x 5 = 40)**

1. SKI-HI Approach.
2. Active Listening Strategies in APD Management.
3. Remediation Activities for Binaural Integration Deficits.
4. Muller – Walle Method of Speech Reading.
5. Steps in Auditory verbal therapy.
6. Behavioural management of CAPD.
7. Candidacy and Contraindications of Cochlear implants.
8. Methods used in speech reading training.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Tinnitus and types of tinnitus.
2. Content Schema Induction.
3. Components of BAHA.
4. Neural response telemetry.
5. Telephone amplifiers.
6. McGurk effect.
7. CUED speech.
8. FM system.
9. Group Therapy for individuals with hearing loss.
10. Role of parents in auditory habilitation.

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**BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR**

**PAPER IV – REHABILITATIVE AUDIOLOGY**

*Q.P. Code: 802324*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Components, candidacy, advantages and complications for brainstem implants.
2. Management of children with central auditory processing disorder.
3. Speech and language deficits in children with hearing impairment.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Auditory Verbal Therapy.
2. Developmental approach to successful listening.
3. Remediation activities for Auditory Closure Deficits.
4. Computer-based auditory training.
5. Speech tracking.
6. Management of tinnitus.
7. Candidacy and Contraindications of cochlear implants.
8. Management of individuals with deaf blindness.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Auditory Discrimination Vs. Auditory identification with examples.
2. Binaural separation and Binaural Integration.
3. Components of cochlear implants.
4. Kinzie method of speech reading.
5. Hyperacusis.
6. Tinnitus instruments.
7. TADOMA.
8. Induction loop system.
9. Vibrotactile devices.
10. Need for speech reading.

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**BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY**  
**THIRD YEAR**  
**PAPER IV – REHABILITATIVE AUDIOLOGY**

*Q.P. Code: 802324*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:** **(3 x 10 = 30)**

1. Factors affecting speech reading.
2. Various devices currently available for the multi handicapped hearing impaired children.
3. Management of tinntus.

**II. Write notes on:** **(8 x 5 = 40)**

1. Explain the external components of cochlear implant.
2. Management of deaf blind child.
3. Visual assistive listening device.
4. Factors affecting auditory training.
5. Communication strategies.
6. Candidacy selection, components and advantages of brainstem implants.
7. Individual vs group speech reading training.
8. Synthetic method of speech reading.

**III. Short answers on:** **(10 x 3 = 30)**

1. Burglar alarm.
2. Acoustic highlighting.
3. Indications for BAHA.
4. Tinnitus maskers.
5. Classification of ALDs with examples.
6. Dichotic task.
7. Devices for hyperacusis.
8. AVT.
9. Speech tracking.
10. Cued speech.

**BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY  
THIRD YEAR**

**PAPER IV – REHABILITATIVE AUDIOLOGY**

*Q.P. Code: 802324*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Candidacy selection, components and advantages of cochlear implant.
2. Methods of auditory training and the factors to be considered.
3. Explain role of audiologist in pre-implant evaluation and post operative management.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Define speech reading. Explain analytical method.
2. Role of audition in speech and language development of normal children and its application in education of hearing impaired.
3. Criteria's for selection of ALDs.
4. Effect of age and motivation in auditory training.
5. Speech characteristics of individual with hearing impairment.
6. Auditory verbal therapy.
7. Tests for speech reading ability.
8. Methods to improve SNR in classroom for hearing impaired.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Alerting devices.
2. Auditory memory.
3. Burglar alarm.
4. Localization training.
5. Pitch matching.
6. Brainstem implant.
7. Tinnitus maskers.
8. Neural response telemetry.
9. Homophenes.
10. Importance of early intervention in hearing impaired children.

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

**[LR 1220]**

**DECEMBER 2020  
(AUGUST 2020 EXAM SESSION)**

**Sub. Code: 2324**

**BACHELOR IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR – (Regulation from 2010-2011)**

**PAPER IV – REHABILITATIVE AUDIOLOGY**

***Q.P. Code: 802324***

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Essay on Assistive Listening Devices .
2. Bone Anchored Hearing Aid and its components, candidacy and advantages.
3. Essay on management options for children with Central Auditory Processing problems.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Tests for Speech Reading Ability.
2. Factors influencing Speech Reading.
3. Devices based management for Tinnitus.
4. Management options for Hyper Acusis.
5. Auditory verbal therapy.
6. Candidacy, components, and advantages for Cochlear Implant.
7. Management for Multi Handicapped Hearing impaired children.
8. Individual Vs Group Auditory training.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Definition of Speech Reading.
2. Communication strategies.
3. Speech reading activities.
4. Alerting devices Vs Devices for Speech Perception.
5. Advantages of Brainstem Implants.
6. Speech characteristics of children with Hearing impairment.
7. Audio visual Vs Visual Perception.
8. Definition of Auditory training.
9. Needs of Speech reading.
10. Definition and types of Tinnitus.

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

[AHS 0122]

**JANUARY 2022**

**Sub. Code: 2324**

**(FEBRUARY 2021 & AUGUST 2021 EXAM SESSION)**

**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**THIRD YEAR – (Regulation from 2010-2011)**

**PAPER IV – REHABILITATIVE AUDIOLOGY**

*Q.P. Code: 802324*

**Time: Three Hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Essay on Auditory training.
2. Cochlear Implant and its components, candidacy and advantages.
3. Essay on rehabilitation for elderly population with Hearing Loss.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Write about BAHA.
2. Management options for Tinnitus.
3. Management of Multiple Disability with Hearing Loss .
4. Factors influencing Reading .
5. Explain stages of Auditory Verbal therapy.
6. Assistive Listening Devices.
7. Test for Speech reading ability and Indian tests.
8. Visibility of Speech Sounds.

**III. Short answers on:**

**(10 x 3 = 30)**

1. What is Tactile response.
2. Aided Audiogram.
3. Speech banana.
4. Types of Hearing Aids.
5. Components of Hearing Aids.
6. Class of Hearing Aids.
7. Group Auditory Training.
8. Presbycusis.
9. Gross discrimination.
10. Definition and types of Hyperacusis.

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