**[LN 0818]** AUGUST 2018 **Sub. Code: 2341**

**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**FIRST YEAR – SEMESTER - II**

**PAPER I – NEUROLOGY**

***Q.P. Code: 802341***

**Time: Three Hours** **Maximum : 75 Marks**

**Answer All questions**

**I. Elaborate on:** **(2 x 10 = 20)**

1. What are the phases of swallowing? Mention the muscles involved, its neural control. Add a note on central mechanisms involved in swallowing.
2. Write in detail on clinical examination and approach to the patient with impairment of language.

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

1. CSF pathway.
2. Etiopathogenesis of stroke.
3. Short note on Tuning fork tests.
4. Auditory Pathway.
5. Neuromuscular junction.
6. Cerebral Palsy.
7. CV junction anomalies and speech.
8. Types of Aphasia.

**III. Short answers on:** **(5 x 3 = 15)**

1. Cranial nerves in speech production.
2. Clinical features of cerebellar disease.
3. Deep tendon reflex pathway.
4. Ventricles of the brain.
5. Agnosia and the various forms of Agnosia.

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**[LO 0219]** FEBRUARY 2019 **Sub. Code: 2341**

**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**FIRST YEAR – SEMESTER - II**

**PAPER I – NEUROLOGY**

***Q.P. Code: 802341***

**Time: Three Hours** **Maximum : 75 Marks**

**Answer All questions**

**I. Elaborate on:** **(2 x 10 = 20)**

1. What are the various types of dysarthrias? Write in detail about each type of dysarthria and add a note on its management.
2. Write in detail the etiopathogenesis, clinical features of Parkinson disease. Add a note on its management.

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

1. Action potential of a nerve.
2. Taste pathway.
3. Muscles of the pharynx.
4. Assessment of swallowing in stroke patients.
5. Difference between UMN and LMN motor lesions.
6. Wernicke Encephalopathy.
7. Blood supply of brain.
8. Spinal cord tracts.

**III. Short answers on:** **(5 x 3 = 15)**

1. Excitatory Post-synaptic Potential.
2. Phenylketonuria.
3. Management of hydrocephalus.
4. Nerve supply of larynx.
5. CSF picture in various meningitis.

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**[LP 0819]** AUGUST 2019 **Sub. Code: 2341**

**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**FIRST YEAR – SEMESTER - II**

**PAPER I – NEUROLOGY**

***Q.P. Code: 802341***

**Time: Three Hours** **Maximum : 75 Marks**

**Answer All questions**

**I. Elaborate on:** **(2 x 10 = 20)**

1. Write in detail the organisation of the Nervous system – The different structure and function of various systems.
2. Write in detail about etiology, clinical features and management of Intracerebral Hemorrhage.

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

1. Approach to dysarthria.
2. Assessment of Language in stroke patients.
3. Anatomy of cerebellum.
4. Alzheimer's Disease.
5. Blood Brain Barrier.
6. Multiple sclerosis.
7. Hydrocephalus.
8. Inborn Errors of metabolism.

**III. Short answers on:** **(5 x 3 = 15)**

1. Pellagra.
2. Eighth cranial nerve.
3. Inhibitory Post Synaptic Potential.
4. Types of Aphasia.
5. Encephalitis.

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**[LQ 0220]** FEBRUARY 2020 **Sub. Code: 2341**

**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**FIRST YEAR – SEMESTER - II**

**PAPER I – NEUROLOGY**

***Q.P. Code: 802341***

**Time: Three Hours** **Maximum : 75 Marks**

**Answer All questions**

**I. Elaborate on:** **(2 x 10 = 20)**

1. Language centers in brain, mechanism of central language production and approach to aphasia.

2. Blood supply to brain and various types of cerebrovascular accidents. Add a note on causes and clinical features of acute ischaemic stroke.

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

1. Anatomy of Neuromuscular junction.
2. Muscles of tongue and their nerve supply.
3. Types of hearing loss and enumerate causes for each.
4. Lobes of brain and their functions.
5. Clinical features of Bell's palsy.
6. Wilson's disease.
7. Blood brain barrier.
8. Causes and clinical features of flaccid dysarthria.

**III. Short answers on:** **(5 x 3 = 15)**

1. Components of Autonomic Nervous System.
2. Stapedial reflex.
3. Organ of Corti.
4. Alpha motor neurons.
5. Causes of Hydrocephalus.

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

**[AHS 0321] MARCH 2021 Sub. Code: 2341**

**(AUGUST 2020 EXAM SESSION)**

**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**SEMESTER - II (Regulation 2017-2018)**

**PAPER I – NEUROLOGY**

***Q.P. Code : 802341***

**Time: Three hours** **Answer ALL Questions** **Maximum: 75 Marks**

**I. Elaborate on:** **(2 x 10 = 20)**

1. Auditory pathway, clinical assessment of hearing and types of hearing loss.
2. Etiology, clinical features and principles in management of childhood language disorders.

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

1. Basal ganglia anatomy.
2. Cerebral plasticity and cerebral dominance.
3. Types of Chiari malformations and their clinical features.
4. Phases of deglutition.
5. Cerebellopontine angle tumors.
6. Broca's aphasia.
7. Anatomy of cerebellum.
8. Circle of Willis.

**III. Short answers on:** **(5 x 3 = 15)**

1. Structure of neuron.
2. Enumerate the cranial nerves involved in speech production.
3. Saltatory conduction.
4. Primitive reflexes.
5. Ataxic dysarthria.

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

**[AHS 0422] APRIL 2022 Sub. Code: 2341**

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

**BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY**

**SEMESTER - II (Regulation 2017-2018)**

**PAPER I – NEUROLOGY**

***Q.P NO. 802341***

**Time: Three Hours** **Answer All questions** **Maximum: 75 Marks**

**I. Elaborate on : (2X10=20)**

1. Neuro motor control of speech, clinical neurological syndromes associated with speech and language.
2. Auditory pathway, disorders of hearing, Rehabilitation of hearing.

**II. Write Notes on : (8X5=40)**

1. Cerebral blood flow.
2. Anatomy of brain stem.
3. Medial geniculate body.
4. Cerebral palsy.
5. Swallowing assessment.
6. Upper motor neuron.
7. Encephalitis.
8. Parkinsonism.

**III. Short Answers on : (5X3=15)**

1. Dyskinetic Dysarthria.
2. Wernicke encephalopathy.
3. Subdural hematoma.
4. Primitive reflexes.
5. Synaptic transmission.

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

**[AHS 0423]** **APRIL 2023** **Sub. Code: 2341**

**BACHELOR IN AUDIOLOGY AND SPEECH - LANGUAGE PATHOLOGY**
**SEMESTER - II (Regulation 2017-2018 onwards)**
**PAPER I – NEUROLOGY**
***Q.P. Code: 802341***

**Time: Three Hours** **Answer All questions** **Maximum: 75 Marks**

**I. Elaborate on :** **(2X10=20)**

1. Define Specific Language Impairment with assessment procedures and differential diagnosis.
2. Elaborate on Cranial nerves important for Speech, Language, Hearing and Balance and their Clinical Assessment.

**II. Write Notes on :** **(8X5=40)**

1. Types of Nerve fibres.
2. Basal ganglia.
3. CSF formation and flow.
4. Aetiology and clinical features of Bell's Palsy.
5. Olfactory pathway.
6. Cerebral palsy.
7. Explain mechanism of Phonation.
8. Structure of Organ of Corti with a neat labelled diagram.

**III. Short Answers on :** **(5X3=15)**

1. Down syndrome.
2. Echolalia.
3. Wernicke's area.
4. TORCH Complex.
5. Pendred syndrome.

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

**[AHS 1123]** **NOVEMBER 2023** **Sub. Code: 2341**

**BACHELOR IN AUDIOLOGY AND SPEECH - LANGUAGE PATHOLOGY**
**SEMESTER - II (Regulation 2017-2018 onwards)**
**PAPER I – NEUROLOGY**
***Q.P. Code: 802341***

**Time: Three Hours** **Answer All questions** **Maximum: 75 Marks**

**I. Elaborate on :** **(2 X 10 = 20)**

1. Write in detail on clinical examination and approach to a patient with impairment of Hearing.
2. Describe in detail about the language areas in brain and describe clinical approach to Aphasias.

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

1. Hypoglossal Nerve.
2. Circle of Willis.
3. CSF Circulation.
4. Neuromuscular junction.
5. Parkinson's disease.
6. Blood Brian Barrier.
7. Alpha and Gamma motor neurons.
8. Cerebral Palsy.

**III. Short Answers on :** **(5 X 3 = 15)**

1. Thiamine Deficiency.
2. Demyelinating Diseases.
3. Spastic dysarthria.
4. Conductive deafness.
5. Enumerate Cerebellar signs.

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

**[AHS 1124]** **NOVEMBER 2024** **Sub. Code: 2341**

**BACHELOR IN AUDIOLOGY AND SPEECH - LANGUAGE PATHOLOGY**
**SEMESTER - II (Regulation 2017-2018 onwards)**
**PAPER I – NEUROLOGY**
***Q.P. Code: 802341***

**Time: Three Hours** **Answer All questions** **Maximum: 75 Marks**

**I. Elaborate on :** **(2 X 10 = 20)**

1. Muscles of Pharynx and their innervations. Phases of deglutition and its central mechanism. Add a note on Neurogenic disorders leading to Swallowing difficulty.
2. Etiology, clinical features and principles in management of Childhood Language disorders.

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

1. Vestibular pathway.
2. Speech abnormality in extra-pyramidal disorders.
3. Wernicke's area.
4. Taste pathway.
5. Neuronal synapse and Neuro-transmitters.
6. Organ of Corti.
7. Types of hearing loss and enumerate their causes.
8. CSF formation and its circulation.

**III. Short Answers on :** **(5 X 3 = 15)**

1. Classification of Cerebral Palsy.
2. Components of Autonomic Nervous System.
3. Tuning fork tests for Assessment of Hearing.
4. Saltatory conduction.
5. Functions of Cerebellum.

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

**[AHS 0425]** **APRIL 2025** **Sub. Code: 2341**

**BACHELOR IN AUDIOLOGY AND SPEECH - LANGUAGE PATHOLOGY**
**SEMESTER - II (Regulation 2017-2018 onwards)**
**PAPER I – NEUROLOGY**
***Q.P. Code: 802341***

**Time: Three Hours** **Answer All questions** **Maximum: 75 Marks**

**I. Elaborate on :** **(2 x 10 = 20)**

1. Describe etiopathogenesis, clinical features and management of Cerebral palsy.
2. Write in detail about different types of Dysarthria and add a note on its management.

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

1. Anatomy of facial nerve.
2. Central auditory nervous system.
3. Assessment of swallowing in stroke patients.
4. Types of peripheral nerve injury.
5. Myasthenia gravis.
6. Benign paroxysmal positional vertigo.
7. Hydrocephalus.
8. Multiple sclerosis.

**III. Short Answers on :** **(5 x 3 = 15)**

1. Wilson’s disease.
2. Schwann cells.
3. Semicircular canals.
4. Action potential of Neuron.
5. Electroencephalogram.

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

**[AHS 1125]** **NOVEMBER 2025** **Sub. Code: 2341**

**BACHELOR IN AUDIOLOGY AND SPEECH - LANGUAGE PATHOLOGY**
**SEMESTER - II (Regulation 2017-2018 onwards)**
**PAPER I – NEUROLOGY**
***Q.P. Code: 802341***

**Time: Three Hours** **Answer All questions** **Maximum: 75 Marks**

**I. Elaborate on :** **(2 x 10 = 20)**

1. Basic concepts, Anatomy and Physiology of Nervous system related to Speech and Hearing.
2. Swallowing associated with neurogenic disorders and its Assessment.

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

1. Anatomy of brainstem.
2. Spastic Dysarthria.
3. Vestibular nuclei and pathway.
4. Alcoholic cerebellar degeneration.
5. Causes of conductive hearing loss.
6. Anatomy of language centers in the brain.
7. Lobes of the brain.
8. Parkinson’s disease.

**III. Short Answers on :** **(5 x 3 = 15)**

1. Sensorineural hearing loss.
2. Wilson’s disease.
3. Presbyacusis.
4. Functions of Basal ganglia.
5. Functional Speech disorders.

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