

UNIT I – Neuroanatomy & Neurophysiology

S.No	Question Type	Question	Year	Bloom's Taxonomy
1	Essay (15 Marks)	Trace the anatomy of the Visual Pathways. Explain the extra ocular movements and muscles involved.	January 2022	Analyze
2		Discuss the bladder control and the various types of neurology-related bladder dysfunction.	June 2022	Analyze
3		Trace the course of the optic nerve, different pathological ways it can be affected, and various types of visual defects it can produce.	November 2023	Analyze
4		Draw a diagram of the Human Brain and mark the various anatomic divisions, including lobes and areas concerned with olfaction, vision, hearing, motor function, sensory function, speech, and memory.	August 2024	Apply
5		Draw the cross-section of the spinal cord and describe the functions of spinal cord tracts. Discuss the clinical features of a D10 transverse myelitis.	August 2009	Analyze
6		Draw the cross-section of the spinal cord and describe the functions of spinal cord tracts. Discuss the clinical features of D10 transverse myelitis.	August 2010	Analyze
7		Describe the definition, pathophysiology, clinical manifestation, and management of multiple sclerosis (focusing on neurophysiological basis).	February 2020	Analyze
8		Trace the anatomy of the visual pathways and explain related disorders of extraocular movements.	February 2012	Analyze
9		Discuss the neurophysiologic basis of posture and disorders of tone in relation to spinal cord tracts.	April 2014	Analyze
10		Draw and label the blood supply of the brain, explaining its relation to common neurological deficits.	October 2016	Apply
11	Short Notes (5 Marks)	Circle of Willis.	August 2009	Understand
12		Syringomyelia.	August 2009	Understand
13		Brachial plexus.	October 2022	Remember
14		Brown-Séquard syndrome.	October 2022	Analyze
15		Clinical manifestations of cerebellar dysfunction.	April 2023	Understand

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16		Wallerian degeneration.	November 2023	Understand
17		Types of hydrocephalus.	November 2023	Remember
18		Spasticity and flaccidity.	August 2024	Analyze
19		Pyramidal tract.	February 2025	Understand
20		Micturition reflex.	February 2010	Understand
21	Short Answers (2 Marks)	Root value of sciatic nerve.	September 2021	Remember
22		Function of detrusor muscle.	January 2022	Remember
23		IIIrd nerve palsy.	June 2022	Understand
24		Enumerate cranial nerves.	April 2023	Remember
25		Neurogenic bladder.	November 2023	Understand
26		Foramen magnum.	November 2023	Remember
27		Dermatomes of upper limb.	February 2010	Remember
28		Grades of spasticity.	August 2009	Remember
29		Anal reflex.	August 2010	Remember
30		Clinical testing for touch, pain, and temperature.	January 2022	Apply