

# CONTENTS

<b>LIST OF ABBREVIATIONS</b> .....	7
<b>PREFACE</b> .....	9
<b>Chapter 1 – PHYSIOLOGY OF NERVOUS SYSTEM</b> .....	10
<b>Chapter 2 – MOTOR SYSTEM</b> .....	15
<b>Chapter 3 – SENSORY SYSTEM</b> .....	19
<b>Chapter 4 – PAIN</b> .....	23
<b>Chapter 5 – EXTRAPYRAMIDAL SYSTEM</b> .....	26
<b>HYPOKINETIC-RIGID SYNDROME</b> .....	26
<b>DYSKINETIC (HYPERKINETIC) SYNDROMES</b> .....	28
<b>TREMOR</b> .....	29
<b>Chapter 6 – CEREBELLUM</b> .....	31
<b>Chapter 7 – CRANIAL NERVES</b> .....	34
<b>7.1 OLFACTORY NERVE</b> .....	34
<b>7.2 OPTIC NERVE</b> .....	34
<b>7.3 OCULOMOTOR, TROCHLEAR AND ABDUCENS NERVES</b> .....	36
Gaze palsy .....	37
<b>7.4 TRIGEMINAL NERVE</b> .....	40
<b>7.5 FACIAL NERVE</b> .....	42
<b>7.6 VESTIBULOCOCHLEAR NERVE</b> .....	43
<b>7.7 GLOSSOPHARYNGEAL NERVE</b> .....	46
<b>7.8 VAGUS NERVE</b> .....	46
<b>7.9 ACCESSORY NERVE</b> .....	47
<b>7.10 HYPOGLOSSAL NERVE</b> .....	48
<b>7.11 BULBAR AND PSEUDOBULBAR SYNDROME (PALSY)</b> .....	48
<b>Chapter 8 – DISORDERS OF SPEECH AND HIGHER CORTICAL (SYMBOLIC) FUNCTIONS</b> .....	50
<b>8.1 DISORDERS OF SPEECH</b> .....	52
<b>8.2 APRAXIA</b> .....	52
<b>8.3 AGNOSIA</b> .....	52
<b>8.4 DEMENTIA</b> .....	53

<b>Chapter 9 – DYSFUNCTION OF SPECIFIC AREAS OF THE BRAIN</b> .....	54
<b>9.1 SYNDROMES OF THE INDIVIDUAL LOBES OF THE CEREBRAL HEMISPHERES</b> .....	54
Frontal lobe syndrome .....	54
Syndrome of central area .....	54
Temporal lobe syndrome .....	55
Parietal lobe syndrome .....	55
Occipital lobe syndrome .....	56
Thalamic syndrome .....	56
<b>9.2 BRAINSTEM SYNDROMES</b> .....	56
<b>9.3 SPINAL CORD SYNDROMES</b> .....	58
<b>Chapter 10 – RAISED INTRACRANIAL PRESSURE</b> .....	65
<b>Chapter 11 – INTRACRANIAL HYPOTENSION</b> .....	68
<b>Chapter 12 – BRAIN EDEMA</b> .....	69
<b>Chapter 13 – MENINGEAL SYNDROME</b> .....	70
<b>Chapter 14 – DISTURBANCES OF CONSCIOUSNESS</b> .....	71
<b>14.1 QUALITATIVE DISTURBANCES OF CONSCIOUSNESS</b> .....	71
<b>14.2 QUANTITATIVE DISTURBANCES</b> .....	72
<b>Chapter 15 – BRAIN DEATH</b> .....	77
<b>Chapter 16 – HISTORY AND EXAMINATION</b> .....	78
<b>16.1 HISTORY</b> .....	78
<b>16.2 EXAMINATION</b> .....	79
<b>Chapter 17 – CEREBROSPINAL FLUID</b> .....	89
<b>Chapter 18 – NEUROLOGICAL INVESTIGATION METHODS</b> .....	93
<b>18.1 NEUROIMAGING METHODS</b> .....	93
18.1.1 PLAIN FILMS .....	93
18.1.2 COMPUTED TOMOGRAPHY .....	93
18.1.3 MAGNETIC RESONANCE IMAGING (MRI) .....	97
18.1.4 ANGIOGRAPHY .....	98
18.1.5 MYELOGRAPHY .....	98
<b>18.2 DIAGNOSTIC TECHNIQUES OF NUCLEAR MEDICINE</b> .....	98
18.2.1 CLASSICAL SCINTIGRAPHY .....	98
18.2.2 SPECT .....	99
18.2.3 PET .....	99
<b>18.3 ULTRASONOGRAPHY</b> .....	99
<b>18.4 ELECTRODIAGNOSTIC METHODS</b> .....	100
18.4.1 ELECTROENCEPHALOGRAPHY .....	100
18.4.2 ELECTROMYOGRAPHY .....	100
18.4.3 EVOKED POTENTIALS .....	102
<b>REFERENCES</b> .....	105
<b>INDEX</b> .....	106