



RASHIDA IQBAL FINANCIAL AID
ORGANIZATION

CNS PHYSIOLOGY
GUIDELINES

RIFAQ
RAWALPINDI MEDICAL UNIVERSITY

Motor Physiology:

- Note on Autonomic Receptors
- Sympathetic Nervous System Effects
- Parasympathetic Nervous System Effects
- Difference between Sympathetic and Parasympathetic affects on certain organs (Organ names will be given) (V.imp)
- Autonomic Regulation of Sweat Glands
- Differences between autonomic and somatic nervous system
- Babinski's sign (when present both physiological and pathological conditions).
- Clonus
- Properties of reflex action
- Structure of Muscle Spindle
- Myotactic Reflex → Pathway, types (static and dynamic), importance
- Lengthening Reaction (Inverse Myotactic Reflex) →
- Pathway, importance
- What are Golgi Bottle Neurons?
- Motor Apraxia
- Names and Functions of Descending Pathways
- Reticular Formation (Medial and Lateral) in full detail
- Types of Paralysis

- Decerebrate Rigidity
- Decorticate Rigidity
- Brown Sequard Syndrome (V.imp)
- Poliomyelitis
- Tabes Dorsalis and Syringomyelia.
- Romberg's Sign
- Functions of Cerebellum (over all and of the THREE parts separately) (V.Imp)
- Differences between Mossy and Climbing Fibres
- Cerebellar Lesions Clinical Manifestations
- Parkinsonism: Manifestations, causes and treatment (V.Imp)
- Differences between Parkinsonism and Cerebellar Disease (V.Imp)
- Differences between Fenistant, Drunken (Staggering) and spastic gait
- Types of Chorea
- Types of sleep differences between REM and NON-REM (V.Imp)
- Sleep Disorders
- Epilepsy: Types
- Difference between upper motor neuron and lower motor neuron lesion (V.Imp)

Sensory Physiology

Note: Mini Guyton will be enough

- Types of Synapses

- EPSP and IPSP
- Physiological anatomy of Synapse
- Synaptic Delay
- Properties of Synapse
- Receptors Classification (Complete)
- Adaptation of Receptors**
- Dorsal Column Medial Lemniscal System (DCML-System Complete)
- Anterolateral System
- Diagrams of Dorsal Column Medial Lemniscus system and anterolateral system
- Difference between DCML System and Anterolateral System
- Aphasia Types
- Astereognosis
- Phantom Limb
- Synthetic Sensations
- Amorphosynthesis
- Cortical Plasticity
- Brown Sequard Syndrome (Hemisection of Spinal Cord)
- Differences between slow and fast pain
- Analgesia System

Remember us in your prayers

Regards:

Laiba Munazzam

Batch 45

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