

Customised Charts

Size 20"x30" Laminated & Mounted Framed on Board

← 20" →

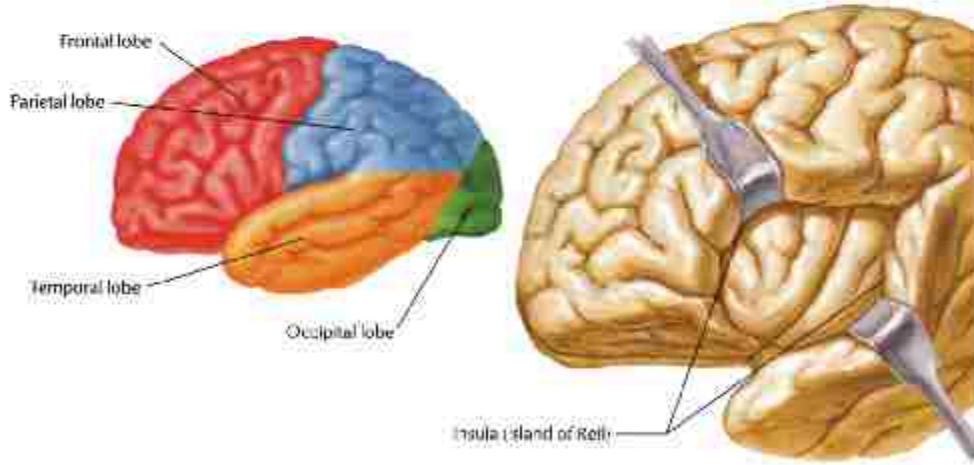
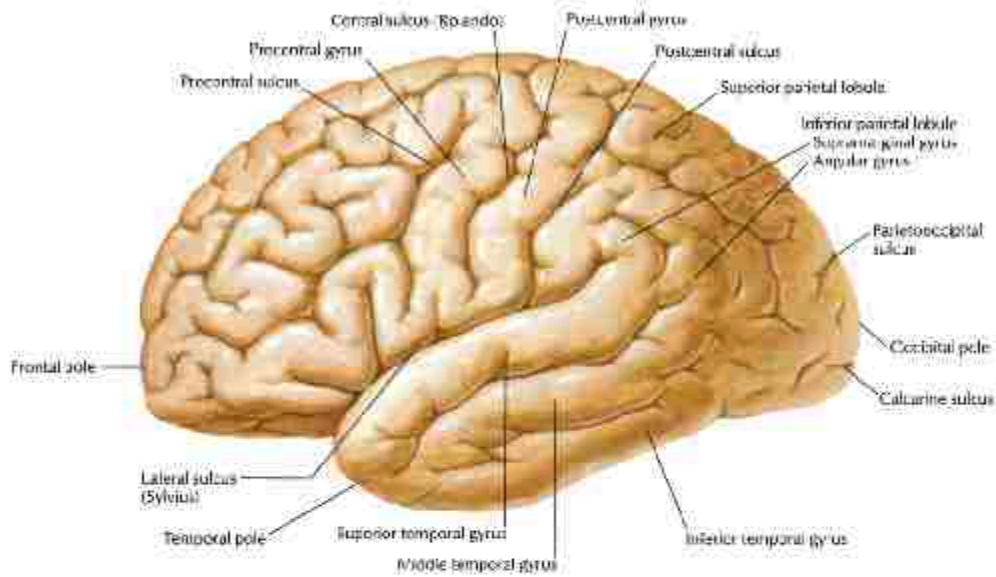
↑ 30" ↓



College
Logo
& Name



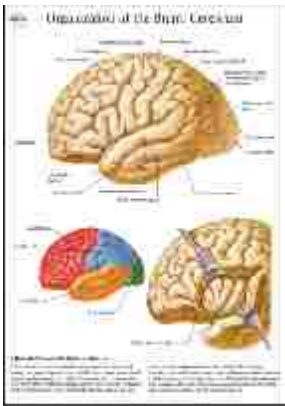
Organization of the Brain: Cerebrum



ORGANIZATION OF THE BRAIN: CEREBRUM

The cerebral cortex represents the highest center for sensory and motor processing. In general, the frontal lobe processes motor, visual, speech, and personality modalities. The parietal lobe processes sensory information; the temporal lobe, auditory and memory modalities; and the occipital lobe, vision. The cerebellum coordinates smooth

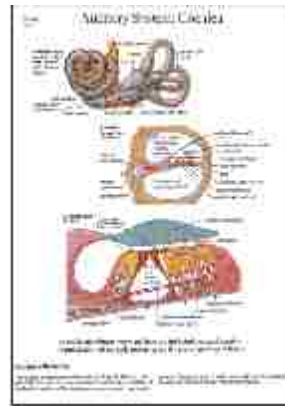
motor activities and processes muscle position. The brainstem (medulla, pons, midbrain) conveys motor and sensory information and mediates important autonomic functions. The spinal cord receives sensory input from the body and conveys somatic and autonomic motor information to peripheral targets (muscles, visceral).



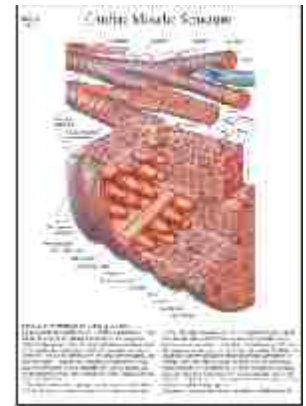
PH 09



PH 25



PH 40



PH 54



List No. 3

Physiology Charts & Models

w.e.f. Jan 15, 2018

Size : 20"x26" Laminated & Fitted with Plastic Strips

OR Size 20"x26" Laminated & Mounted Framed on Board

CELL PHYSIOLOGY

- PH 1. The cell membrane
- PH 2. Membrane transport-I
- PH 3. Membrane transport-II
- PH 4. Membrane transport-III
- PH 5. Ionic Equilibria and Resting membrane Potential
- PH 6. Action Potential
- PH 7. Conduction Velocity
- PH 8a. Signal Transduction-I
- PH 8b. Signal Transduction-II

NEUROPHYSIOLOGY

- PH 9. Organization of the brain: Cerebrum
- PH 10. Organization of the brain: Cell Types
- PH 11. Blood - brain barrier
- PH 12. Synaptic transmission: Morphology of Synapses
- PH 13. Synaptic transmission: Neuromuscular Junction
- PH 14. Synaptic transmission: Visceral Efferent Endings
- PH 15. Synaptic transmission: Inhibitory Mechanisms
- PH 16. Synaptic transmission: Chemical Synaptic Transmission
- PH 17. Synaptic transmission: Temporal and Spatial Summation
- PH 18. Cerebrospinal Fluid (CSF): Brain Ventricles and CSF Composition
- PH 19. Cerebrospinal fluid (CFT): Circulation of CSF
- PH 20. Spinal cord: Ventral Rami
- PH 21. Spinal cord: Membranes and Nerve Roots
- PH 22. Peripheral nervous system
- PH 23. Autonomic nervous system: Schema
- PH 24. Autonomic nervous system: Cholinergic and Adrenergic Synapses
- PH 25. Hypothalamus
- PH 26. Limbic system
- PH 27. The cerebral cortex
- PH 28. Descending motor pathways
- PH 29. Cerebellum: Afferent Pathways
- PH 30. Cerebellum: Efferent Pathways
- PH 31. Cutaneous sensory receptors
- PH 32. Cutaneous receptors: Pacinian Corpuscle
- PH 33. Proprioception and reflex pathways-I
- PH 34. Proprioception and reflex pathways-II
- PH 35. Sensory pathways-I
- PH 36. Sensory pathways-II
- PH 37. Sensory pathways-III
- PH 38. Visual system: Receptors
- PH 39. Visual system: Visual Pathway
- PH 40. Auditory system: Cochlea

- PH 41. Auditory system: Pathways
- PH 42. Vestibular system: Receptors
- PH 43. Vestibular system: Vestibulospinal Tracts
- PH 44. Gustatory (taste) system: Receptors
- PH 45. Gustatory (taste) system: Pathways
- PH 46. Olfactory system: Receptors
- PH 47. Olfactory system: Pathway

MUSCLE PHYSIOLOGY

- PH 48. Skeletal muscle: Organization
- PH 49. Skeletal muscle: Sarcoplasmic Reticulum
- PH 50. Skeletal muscle: Excitation-Contraction Coupling-I
- PH 51. Skeletal muscle: Excitation-Contraction Coupling-II
- PH 52. Skeletal muscle: Excitation-Contraction Coupling-III
- PH 53. Skeletal muscle: Length-Tension Relationship
- PH 54. Cardiac muscle: Structure
- PH 55. Smooth muscle: Excitation-Contraction Coupling-I
- PH 56. Smooth muscle: Excitation-Contraction Coupling-II

CARDIOVASCULAR PHYSIOLOGY

- PH 57. Overview of the Cardiovascular system
- PH 58. Body Fluid Compartments
- PH 59. Structure of the Heart
- PH 60. Conduction System of the Heart
- PH 61. Electrical Activity of the Heart
- PH 62. Electrocardiogram-I
- PH 63. Electrocardiogram-II
- PH 64. Electrocardiogram-III
- PH 65. Cardiac Cycle
- PH 66. Cardiac Output: Pressure-Volume Loop
- PH 67. Cardiac Output: Function Curves
- PH 68. Coronary circulation
- PH 69. Hemodynamics
- PH 70. Arterial Pressure
- PH 71. Control of arteriolar tone
- PH 72. Microcirculation
- PH 73. Circulation to special regions
- PH 74. Monitoring of Blood pressure
- PH 75. Short-Term Regulation of Blood Pressure
- PH 76. Long-Term Regulation of Blood Pressure
- PH 77. Response of Exercise
- PH 78. Fetal circulation

RESPIRATORY PHYSIOLOGY

- PH 79. Lungs
- PH 80. Airway structure: Trachea and Major Bronchi

Physiology Charts

Dbios

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OR Size 20"x26" Laminated & Mounted Framed on Board

- PH 81. Airway Structure: Intrapulmonary Airways
- PH 82. Airway Structure: Epithelium
- PH 83. Respiratory muscles
- PH 84. Lung Volumes
- PH 85. Mechanics of respiration: Forces during Quiet Breathing
- PH 86. Mechanics of respiration: Elastic Properties-I
- PH 87. Mechanics of respiration: Elastic Properties-II
- PH 88. Mechanics of respiration: Surface Forces
- PH 89. Mechanics of respiration: Airway Flow
- PH 90. Mechanics of respiration: Flow-Volume
- PH 91. Intrapulmonary Circulation
- PH 92. The alveolar capillary unit
- PH 93. Pulmonary circulation
- PH 94. Ventilation / perfusion
- PH 95. Pulmonary Vascular Resistance
- PH 96. Surfactant Effects
- PH 97. O₂ and CO₂ exchange
- PH 98. O₂ and CO₂ exchange and transport
- PH 99. O₂/CO₂ exchange
- PH 100. Control of respiration
- PH 101. Role of the lungs in Acid-Base Balance
- PH 102. Response to exercise
- PH 103. Obstructive lung disease-I
- PH 104. Obstructive lung disease-II
- PH 105. Restrictive lung Disease
- PH 106. Pulmonary Function Testing-I
- PH 107. Pulmonary Function Testing-II

RENAL PHYSIOLOGY

- PH 108. Anatomy of the kidney
- PH 109. Anatomy of the kidney: The Nephron
- PH 110. Glomerular Structure
- PH 111. Glomerular Filtration
- PH 112. Renal Clearance
- PH 113. Na⁺ reabsorption
- PH 114. ADH Secretion and Action
- PH 115. Urine Concentration
- PH 116. Urine Dilution
- PH 117. Renin - angiotensin - aldosterone system
- PH 118. Response to increased ECF
- PH 119. Response to Decreased ECF
- PH 120. Potassium excretion
- PH 121. Calcium and phosphate
- PH 122. Renal HCO₃⁻ Reabsorption
- PH 123. Renal Production of New HCO₃⁻

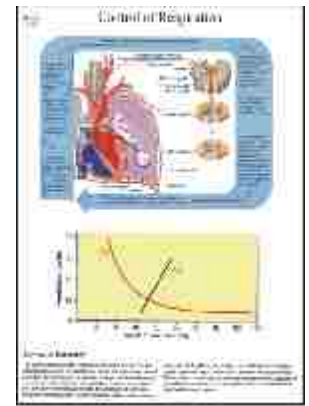
GASTROINTESTINAL PHYSIOLOGY

- PH 124. Esophagus
- PH 125. Gastroesophageal Junction
- PH 126. Lower Esophageal Sphincter
- PH 127. Enteric Nervous System
- PH 128. Autonomic Innervation-I
- PH 129. Autonomic Innervation-II
- PH 130. Autonomic and Enteric Integration
- PH 131. Motility
- PH 132. Major GI Hormones
- PH 133. Structure of Stomach
- PH 134. Appetite and Hunger
- PH 135. Gastric Motility
- PH 136. Gastric Digestion
- PH 137. Gastric Secretion-I
- PH 138. Gastric Secretion-II
- PH 139. Gastric Secretion-III

- PH 140. Small Intestine Structure-I
- PH 141. Small Intestine Structure-II
- PH 142. Small Intestine Structure-III
- PH 143. Small Intestine Motility
- PH 144. Large Intestine Structure
- PH 145. Rectum and Anal Canal
- PH 146. Colonic Motility
- PH 147. Defecation
- PH 148. Salivary Gland Structure
- PH 149. Salivary Gland Secretion
- PH 150. Pancreas Structure
- PH 151. Pancreas Secretion
- PH 152. Liver Structure
- PH 153. Liver Ultra structure
- PH 154. Intrahepatic Biliary System
- PH 155. Liver Function
- PH 156. Bilirubin Excretion
- PH 157. Gallbladder Structure and Function
- PH 158. Overview of GI Tract Fluid and Electrolyte Transport
- PH 159. Digestion of Protein
- PH 160. Digestion of Carbohydrates
- PH 161. Digestion of Fat
- PH 162. Absorption of Essential Elements and Vitamins

ENDOCRINE PHYSIOLOGY

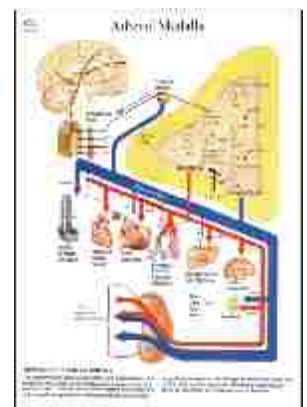
- PH 163. Overview of Hormone Action
- PH 164. Regulation of Hormone Secretion
- PH 165. Hypothalamus and Pituitary
- PH 166. Anterior Pituitary
- PH 167. Posterior Pituitary: Oxytocin
- PH 168. Posterior Pituitary: ADH
- PH 169. Growth Hormone
- PH 170. Thyroid Gland: Structure
- PH 171. Thyroid Gland: Function
- PH 172. Thyroid Gland: Hormone Action
- PH 173. Adrenal Gland: Structure
- PH 174. Adrenal Gland: Histology
- PH 175. Adrenal Cortical Hormones
- PH 176. Cortisol
- PH 177. Adrenal Androgens
- PH 178. Aldosterone
- PH 179. Adrenal Medulla
- PH 180. Endocrine Pancreas
- PH 181. Insulin Secretion
- PH 182. Actions of Insulin
- PH 183. Actions of Glucagon
- PH 184. Parathyroid Gland
- PH 185. Gonad and Genital Duct Formation
- PH 186. Development of the External Genitalia
- PH 187. Puberty
- PH 188. Testes
- PH 189. The Menstrual Cycle
- PH 190. Hormonal Regulation of the Menstrual Cycle
- PH 191. Prolactin



PH 100



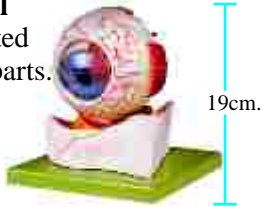
PH 136



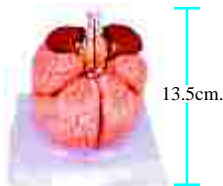
PH 179

OVERHEAD TRANSPARENCIES
FROM PH- 1 TO PH-191
Rs.11460/- (Set of 191)

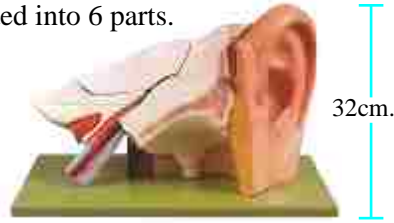
IMP 314
Eyeball
Separated into 7 parts.



IMP 328 Brain.



IMP 317 Anatomical Ear
Separated into 6 parts.



IMP 330B Half Head,
Brain & Neck.



IMP 4328F
Human Skull with
Brain 8 parts
Life Size



IMP 331B Muscular Head with
Brain.



IMP 326 Interior model
of Mouth, Nose,
Pharynx and Larynx
with Blood Vessels.



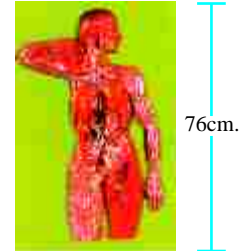
IMP 313 Anatomical Heart
Model.



IMP 304 Larynx
with Tongue
This model
consists of 5 parts.



IMP 311
Lymphatic
System.



IMP 309C
Digestive System



IMP 310
Circulatory System



IMP 322 Nervous
System.



AM 34 Human Lungs



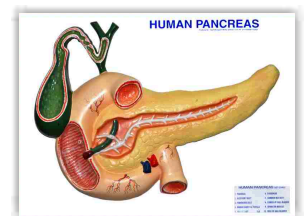
AM 47 Duct system with
Gallstones



AM 41 Human Stomach



AM 40 Human Pancreas



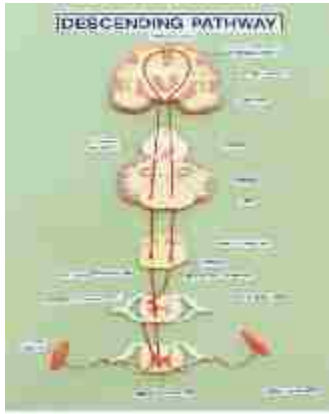
Physiology Models

Dbios

AM 28
Nasal Cavity & Pharynx



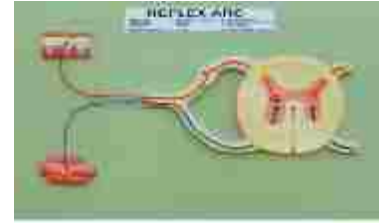
AM 10B
Descending Pathway



AM 10A
Ascending Pathway



AM 9A Reflex Arc



AM-15 Rs. 7000/-
Spinal cord with spinal nerve



AM 23 Tonsils



AM 38
Liver Duodenum & Pancreas



IMP 330A
Median Section of Head.



AM 37
Large with gall Bladder



AM 30
Larynx deep side view



AM 10 The Cerebellum



AM-74
Structure of Bone



IMP 333B Kidney Nephron Corpuscle.



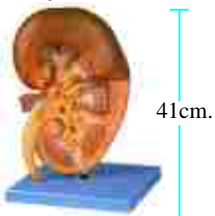
IMP 334 Median Section of Male Pelvis.



IMP 336 Median Section of Female Pelvis. Separated into 2 parts.



IMP 333C
Kidney on Stand



IMP 332A Pancreas Spleen, Duodenum.



IMP 337A Human Excretory System.



IMP 282 MICRO anatomy Liver



A rare collection

IMP 285 MICROanatomy Eye



IMP 286 MICRO anatomy Digestive System



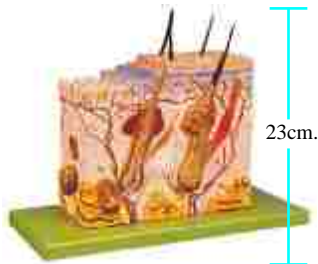
IMP 284 MICRO anatomy Kidney



IMP287 MICRO anatomy Artery and Vein



IMP 352 Block Skin



AM 70C IMP- Ovary Model



AM 68C Female Rep. System



AM 68 Uterus and Fallopian Tube



AM 60 Urinary Bladder



AM 64A Hernia



AM 75 Structure of Hair



AM 79 Uterus in section showing sperm & ovum in process of fertilization



AM 70 Structure of the Breast



AM 63 Structure of penis



AM 72 The Skin

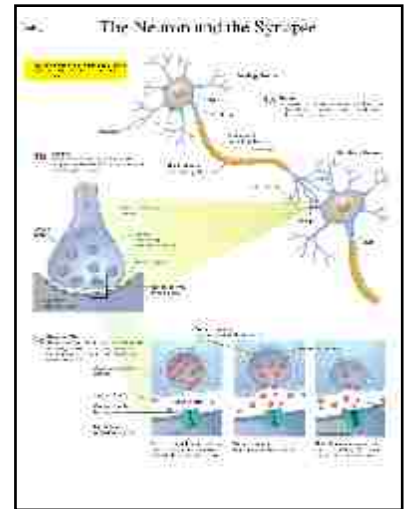


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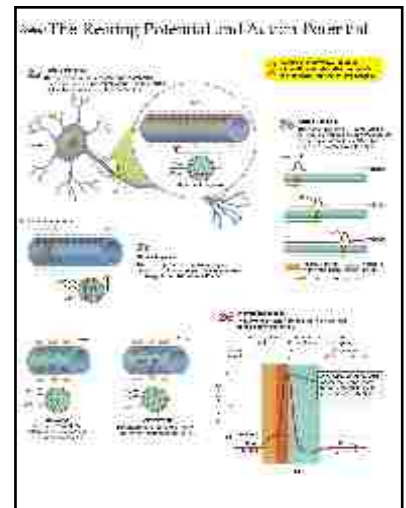
OR Size 20"x26" Laminated & Mounted Framed on Board

- DPsy1 Milestones in the History of Psychology
- DPsy2 Research Methods in Psychology
- DPsy3 The Neuron and the Synapse
- DPsy4 The Resting and Action Potential
- DPsy5 Structure and Functions of Human Brain
- DPsy6 Major Regions of Cerebral Cortex
- DPsy7 Central and Peripheral Nervous System
- DPsy8 Structure and Functions of Endocrine System
- DPsy9 Sensory Receptor Cells
- DPsy10 Parts of the Eye and Visual Pathways
- DPsy11 Visual Processing in the Split Brain
- DPsy12 The Auditory System
- DPsy13 The Olfactory Sense
- DPsy14 The Receptors for Taste
- DPsy15 Memory Model
(Craik and Lockhart's Levels, Atkinson and Shiffrin's, Baddeley's Working Memory Model)
- DPsy18 Involvement of Brain in different aspects of Long Term Memory
- DPsy19 Role of Autonomic Nervous System in Emotional Arousal and Calming the Body
- DPsy20 Role of Cerebral Hemisphere in Emotions and Psychological Disorder
- DPsy21 James-Lange Theory of Emotion
- DPsy22 Cannon-Bard Theory of Emotion
- DPsy23 Schachter and Singer's Two Factor Theory of Emotion
- DPsy24 Approaches to Personality Psychology
- DPsy25 Cognitive Therapy Techniques
- DPsy26 Comparisons in Psychotherapies
- DPsy27 Famous Psychological Experiment
- DPsy28 Piaget's Stages of Cognitive Development
- DPsy29 Erikson's Stages of Psychosocial Development
- DPsy30 Kohlberg's Stages of Moral Development
- DPsy31 The Big Five Personality Traits
- DPsy32 Raymond Cattell's 16 PF
- DPsy33 Howard Gardener's Multiple Intelligence
- DPsy34 Myers Briggs Chart
- DPsy35 Enneagram types
- DPsy36 DSM 5 List of Mental Disorders
- DPsy37 DSM 5 List of Personality Disorders
- DPsy38 The Neural Basis of Speech : One Model
- DPsy39 Reflexes in Newborn
- DPsy40 Milestones in Locomotor Development
- DPsy41 Language Development : some Milestones
- DPsy42 Role of Cognitive Appraisal in Stress
- DPsy43 Optimists and pessimists : Contrasting strategies for Coping with Stress
- DPsy44 Cognitive Mechanisms in Depression
- DPsy45 Bronfenbrenner's Ecological System Theory
- DPsy46 Overview of Theories of Motivation
- DPsy47 Maslow's Hierarchy of Needs
- DPsy48 The Cognitive Model
- DPsy49 Psychology of Colours
- DPsy50 Secrets of Happiness
- DPsy51 Stress Management

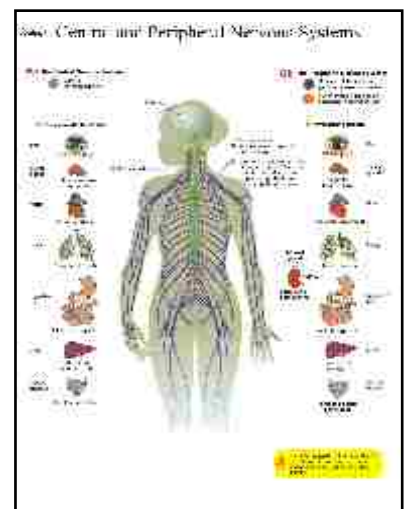
Ask for Prices



DPsy-3



DPsy-4



DPsy-7

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1	Electric time makers 100/sec	10		
2	Tuning fork time maker 100/sec	10		
3	Electrodes, xblocks, burette clamps, enamel bowls brass Uprights, with coarse and fine adjustments basin, spirit Lamps, cooper wire (double cotton covered) Kymograph Paper etc.	As required		
(b) MAMMALIAN EXPERIMENTS				
4	Large extension kymographs-Brodie-Starling complete	01		
5	Operation table	1		
6	Volume recorders	8		
7	Dale's bath for internal organ	30		
8	Isolated Organs. Bath for students complete with Complete with liver etc.	40		
9	Animal Weighing Machine, for small and big animals(for each)	1		
10	Mary's Tambour	40		
11	Venus and arterial canula (different sizes) (each)	40		
12	Smoking outfit, with fume cupboard	1		
13	Varnishing outfit, for long and short papers	1		
14	Anaesthesia boxex	5		
(c) HUMAN AND OTHER EXPERIMENTS :				
15	Microscopes, Oil immersion	50+8		
16	Demonstrations eye piece	4		
17	Double Demonstration eye piece	4		
18	Stage incubator	1		
19	Wastergen's Pipettes for E.S.R. On Stand (with space pipettes)	40		
20	Perimeter Priestly Smith S/LP.984 B & T	10		
21	Haemoglobinometer, Sahil or hellige (with spaces)	40		
22	Haemocytometers	40		
23	Sphygmomanometer	15		
24	Stethoscopes	20		
25	Stethoscopes, Demonstration with Multipleear pieces	4		
26	Venus Pressure apparatus	4		
27	Gas analysis apparatus, Haldane's students type	1		
28	Van Slyko's apparatus manometric	2		
29	Douglas bag, complete	6		
30	Basal metabolism apparatusa	1		
31	Erogograph Mosse's	10		
32	Clinical thermometer	30		
33	Compas	10		
34	Thermanaesthesiometer	5		
35	Algometer	5		
36	Apparatus for passive movement	5		
37	Knee hammer	15		
38	Stethograph	15		
39	Bicycle ergometer	6		
40	Olfactometer	1		
41	Ophthalmoscope	2		
42	Schematic eye	4		
43	Phakoscope	2		
44	Perimeters, with charts	5		
45	Colour perception lantern Edridge Green	1		
46	Maddox rod	1		
47	Newtons colour wheel	1		
48	Tuning forks to test hearing 32-10,000 cps (sets)	4		
49	Dynamometer	2		
50	Otorhinolaryngoscope	5		
51	Steriliser Electric	2		
52	Instrument trolley	1		
53	Stop watches	10		
(d) GENERAL				
54	Physiograph, single channel, with accessories	8		
55	Centrifufe, high speed with technometer etc.	1		
56	Calorimeter, photo-electric	1		
57	pH meter, electric	1		
58	Oxygen Cylinder with trolley	6		
59	Electronic stimulator	1		
60	Water distillation still, with spare heating elements	1		
61	All glass distillation apparatus double stage	1		
62	Voltage stabilizer	3		
63	Stepdown transformers	1		

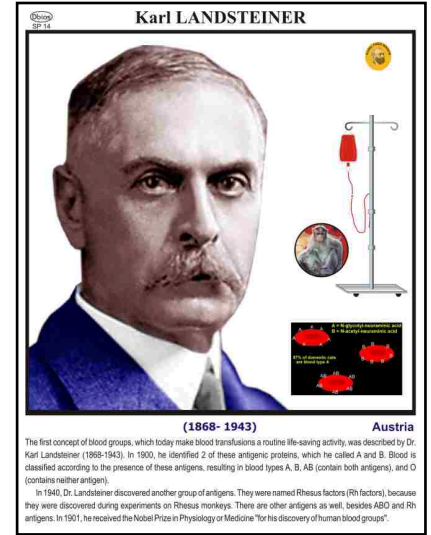
SCIENTIST PHOTOS

Size : 20"X26"

Laminated and Framed on Board

- SPH 01 CHARLES SHERINGTON (1857 – 1952)
- SPH 02 WILLIAM HARVEY (1578 – 1657)
- SPH 03 STEPHEN HALES (1677 – 1761)
- SPH 04 AVTAR SINGH PAINTAL (1925 – 2004)
- SPH 05 Anton VAN LEEUWENHOEK (1632 – 1723)
- SPH 06 IVAN PAVLOV (1849 – 1936)
- SPH 07 CLAUDE BERNARD (1813 – 1878)
- SPH 08 WALTER B. CANNON (1871 – 1945)
- SPH 09 KARL LANDSTEINER (1868 – 1943)
- SPH 10 WILLEM EINTHOVEN (1860 – 1927)
- SPH 11 FREDERICK GRANT BANTING (1891 – 1941)
- SPH 12 HERMANN VON HELMHOLTZ (1821 – 1894)
- SPH 13 WERNER FORSSMANN (1904 – 1979)
- SPH 15 John Newport Langley
- SPH 16 Philip Showalter Hench
- SPH 17 Sir James Young Simpson
- SPH 18 Thomas Renton Elliott
- SPH 19 Ulf von Euler
- SPH 20 Adolf Eugen Fick
- SPH 21 Andrew Fielding Huxley
- SPH 22 Arthur Clifton Guyton
- SPH 23 Eric Richard Kandel
- SPH 24 Georg Von Bekesy
- SPH 25 Joseph Erlanger

- SPH 26 Linda Brown Buck
- SPH 27 Robert Barany
- SPH 28 William Maddock Bayliss
- SPH 29 Yoshinori Ohsumi
- SP 9 Charles best
- SP 10 Sir Frederick Grant Banting



20x26