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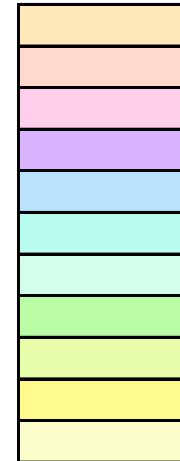
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| Biochemistry |
| Molecular Basis of Life |
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| Cell Junctions |
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| Amino Acids and Peptides |
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| Pentose Phosphate Pathway |
| TCA cycle |
| Bioenergetics and Oxidative Phosphorylation |
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| Glucogen Metabolism |
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| Amino Acid Metabolism and Urea Cycle |
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| Inherited Metabolic Diseases |
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| Free Radicals and Antioxidants |
| Haem and Bilirubin Metabolism |
| Bile Acid Metabolism and Gallstone Formation |
| Mechanism of Excretion and Renal Function Tests |
| Renal calculi |
| Laboratory Analysis of Urine and Interpretation of Urine Analysis Reports |
| Female Sex Hormones |

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| Physiology |
| Cellular Environment and Body Fluids |
| Transport Across Cell Membranes |
| Fluid Homeostasis |
| Transport Across Capillaries, Tissue Fluid Formation and Oedema |
| Dehydration and Restoration of Fluid Balnce, IV Fluids and ORS |
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| Active and Passive Immunity, Hypersensitivity and Immune Deficiency |
| Autonomic Nervous System |
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| Generations of Membrane Potentials and their Propagation |
| Synapses and Neuromuscular Junction |
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| Muscel Disorders |
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| Lung volumes and Capacities |
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| Electrical Properties of Cardiac Muscles |
| Mechanical Events of the Cardiac Cycle |
| Normal and Abnormal ECG |
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| Functions of the large Intestine and Mechanism of Defecation |
| Diarrhea and physiological Principles of Treatment |
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| Renal Blood Flow and Renal Clearance |
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| Functions of the Male Reproductive System and its Regulation |
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| Function and Dysfunction of Thyroid Gland |
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| Cerebral Circulation and its Regulation, Functions of BBB and CSF |
| Physiology of Motor System and Reflexes |
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| Functions of Cerebellum and Basal Ganglia, Gait Posture and Balance |
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| Functions and Disorders of Cranial Nerves |
| Electrophysiological status of CNS |
| Physiology of Sleep and its Disorders |
| Physiology of Speech and its Disorders and Executive Functions |
| Pain and Pain Relief |
| Hypothalamus and its Functions |
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| Foundation Module |
| Blood and Immune Module |
| Body Tissue and Locomotor Module |
| Respiratory System and Gas Exchange Module |
| Cardiovascular System and Circulation Module |
| Metabolism and Nutirtion Module |
| Gatroitestinal System Module |
| Renal and Urinary System Module |
| Reproductive System Module |
| Endocrine Module |
| Neurology Module |