**SAT PRIYA COLLEGE OF PHARMACY, ROHTAK**

**LESSON PLAN**

**D.Pharmacy 1st yr. (session 2021-22)**

**Subject- Human Anatomy and Physiology**

**Name of Faculty- Mr. Vaibhav Dureja**

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| **S.No.** | **Days** | **Theory Topic** | **Practical Topic** |
|  | 28-10-2021 to 03-11-2021 | Scope of Anatomy and Physiology Definition of various terminologies  Structure of Cell: Components and its functions | To study compound microscope |
|  | 08-11-2021 to 13-11-2021  (Quiz/Oral test on wednesday) | Tissues of the human body: Epithelial, Connective, Muscular and Nervous tissues – their sub-types and characteristics. | To study the human cell |
|  | 15-11-2021 to 20-11-2021 | Osseous system: structure and functions of bones of axial and appendicular skeleton | Microscopic study of epithelial tissues |
|  | 22-11-2021 to 23-11-2021 | Classification, types and movements of joints, disorders of joints |
|  | 24-11-2021 to 29-11-2021 | Conduct of Induction Program 2021 | |
|  | 30-11-2021 to 04-12-2021 | Haemopoietic system ● Composition and functions of blood ● Process of Hemopoiesis | To study human digestive system |
|  | 06-12-2021 to 11-12-2021  (Quiz/Oral test on wednesday) | ● Characteristics and functions of RBCs, WBCs, and platelets and Mechanism of Blood Clotting | To determine blood clotting time |
|  | 13-12-2021 to 18-12-2021 | ● Importance of Blood groups  Lymphatic system ● Lymph and lymphatic system, composition, function and its formation. | To study human skeleton using appendicular skeleton |
|  | 20-12-2021 to 23-12-2021 | Revision for 1st sessional exams and problem discussion | |
|  | 23-12-2021 to 31-12-2021 | **Conduct of 1st Internal assessment Exam** | |
|  | 01-01-2022 to 02-01-2022 | Extracurricular activity- Khelo-India Cricket Tournament | |
|  | 03-01-2022 to 08-01-2022 | ● Structure and functions of spleen and lymph node  Cardiovascular system ● Anatomy and Physiology of heart | To record blood pressure of a subject |
|  | 10-01-2022 to 15-01-2022 | ● Blood vessels and circulation (Pulmonary, coronary and systemic circulation) |
|  | 17-01-2022 to 22-01-2022 | Cardiac cycle and Heart sounds, Basics of ECG | To study human respiratory system |
|  | 24-01-2022 to 29-01-2022 | Blood pressure and its regulation | To record heart rate |
|  | 31-01-2022 to 05-02-2022  (Quiz/Oral test on wednesday) | Respiratory system ● Anatomy of respiratory organs and their functions. |
|  | 07-02-2022 to 12-02-2022 | Regulation, and Mechanism of respiration.  ● Respiratory volumes and capacities – definitions | To record body temperature using clinical thermometer |
|  | 14-02-2022 to 19-02-2022 | Digestive system ● Anatomy and Physiology of the GIT |
|  | 21-02-2022 to 26-02-2022  (Seminar on Friday) | ● Anatomy and functions of accessory glands Physiology of digestion and absorption | To study human nervous system |
|  | 28-02-2022 to 05-03-2022  (Quiz/Oral test on wednesday) | Skeletal muscles ● Histology ● Physiology of muscle contraction ● |
|  | 07-03-2022 to 12-03-2022 | Disorder of skeletal muscles  Nervous system ● Classification of nervous system ● |
|  | 14-03-2022 to 19-03-2022 | Anatomy and physiology of cerebrum, cerebellum, mid brain ● Function of hypothalamus, medulla oblongata and basal ganglia | To study human eye |
|  | 21-03-2022 to 25-03-2022 | **Conduct of 2nd Internal assessment Exam** | |
|  | 21-03-2022 to 26-03-2022  (Seminar on Friday) | Spinal cord-structure and reflexes ● Names and functions of cranial nerves. ● |  |
|  | 28-03-2022 to 02-04-2022 | Anatomy and physiology of sympathetic and parasympathetic nervous system (ANS) | To study human ear |
|  | 04-04-2022 to 09-04-2022  (Quiz/Oral test on wednesday) | Sense organs - Anatomy and physiology of ● Eye ● Ear ● Skin ● Tongue |
|  | 11-04-2022 to 16-04-2022 | ● Sense organ- Nose  Urinary system ● Anatomy and physiology of urinary system | Microscopic study of cardiac muscle |
|  | 18-04-2022 to 23-04-2022 | ●Physiology of urine formation  ● Renin - angiotensin system |  |
|  | 25-04-2022 to 30-04-2022  (Seminar on Friday) | ● Clearance tests and micturition  Endocrine system- Introduction | To determine haemoglobin content. |
|  | 02-05-2022 to 07-05-2022  (Quiz/Oral test on wednesday) | Endocrine system (Hormones and their functions) |
|  | 09-05-2022 to 14-05-2022 | Pituitary gland ● Adrenal gland ● Thyroid and parathyroid gland |
|  | 16-05-2022 to 21-05-2022 | ● Pancreas and gonads  Reproductive system | To record radial pulse |
|  | 23-05-2022 to 28-05-2022  (Seminar on Friday) | Anatomy of male and female reproductive system ● Physiology of menstruation |
|  | 30-05-2022 to 04-06-2022 | Spermatogenesis and Oogenesis ● Pregnancy and parturition |
|  | From 06-06-2022 | Revision and problem discussion | Revision |