**Lesson Plan**

**Name of Faculty: shiv gaurav**

**Discipline: Pharmacy**

**Semester: I Year**

**Subject: Human Anatomy Physiology**

Lesson plan Duration: 15 Week (august 2017 to April 2018)

Work Load (Lecturer/Practical) per week (in hour) Lecture 03, Practical 02Hrs + 02Hrs (Two batches)

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| --- | --- | --- | --- |
| Week | Theory |  | Practical |
|  | Days | Topic (including Assignment Test) |  Topics |
| 1 | 1 | Structure/Function of Human heart: |  | Determine Hb content (g% of O2)  |
|  | 2 | Arterial system  |  |  |
|  | 3 | Arterial system  |  |  |
| 2 | 4 | Venous system  |  | Record BP by sphygmonameter  |
|  | 5 | Venous system  |  |  |
|  | 6 | Blood pressure and its measurement |  |  |
| 3 | 7 | Heart Disorders |  | Examine radial pulse rate  |
|  | 8 | Heart Disorders |  |  |
|  | 9 | Respiratory system: Structure and function  |  |  |
| 4 | 10 | Respiratory Muscles/Mechanism of respiration  |  | ESR |
|  | 11 | Physiology of Respiration |  |  |
|  | 12 | Introduction to Skeletal Muscles |  |  |
| 5 | 13 | Introduction to Skeletal Muscles |  | Study of CNS system |
|  | 14 | Generation of action potential at nerve endings Physiology of Muscle Contraction |  |  |
|  | 15 | Role of Acetylcholine in Muscles, Muscles Fatigue and muscle tone |  |  |
| 6 | 16 | Structure/Functionof central nervous system |  | Study of Human respiratory system  |
|  | 17 | Structure/Function of central nervous system |  |  |
|  | 18 | Structure and function of spinal cord |  |  |
| 7 | 19 | Reflex Action |  | Study of urinary system  |
|  | 20 | Autonomic nervous system |  |  |
|  | 21 | Autonomic nervous system |  |  |
| 8 | 22 | Introduction to sensory organs, tongue |  | Study of heart |
|  | 23 | Structure of Human Eye |  |  |
|  | 24 | Functions and defects of eyes |  |  |
| 9 | 25 | Structure of Human ear |  | Study of arterial system |
|  | 26 | Mechanism of hearing |  |  |
|  | 27 | Structure of SKIN |  |  |
| 10 | 28 | Function of Skin |  | Study of venous system |
|  | 29 | Physiology of Pain |  |  |
|  | 30 | Introduction to digestive system and Structure |  |  |
| 11 | 31 | Functions of digestive organs |  | Study of GIT |
|  | 32 | Physiology of Digestion in each parts/ Food |  |  |
|  | 33 | Absorption of food |  |  |
| 12 | 34 | Absorption of Water in large intestine |  | Study reproductive system :male  |
|  | 35 | Structure/ Functions of Liver |  |  |
|  | 36 | Introduction:endocrine glands, Pituitary Gland |  |  |
| 13 | 37 | Thyroid gland, disorders |  | Study of reproductive system female |
|  | 38 | Adrenal gland, Pancrease |  |  |
|  | 39 | Disorders of pancrease |  |  |
| 14 | 40 | Male reproductive organs |  | Study of human skin  |
|  | 41 | Spermatogenesis |  |  |
|  | 41 | Female reproductive organs |  |  |
| 15 | 42 | Female reproductive organs |  | Function of human eye |
|  | 44 | Gametes |  |  |
|  | 45 | Menstruation Cycle |  |  |