

## **Practical List of Pharmacy Technician Part-I**

### **ANATOMY AND PHYSIOLOGY**

#### **Anatomy**

- Study of human skeleton.

#### **Physiology**

- Determination of Hemoglobin (Hb)
- R.B.C count
- W.B.C count
- Bleeding time
- Coagulation time
- Blood groups
- Recording of Arterial pulse
- Recording of arterial blood pressure
- Determination of E.S.R

### **BIOCHEMISTRY AND MICROBIOLOGY**

#### **Biochemistry**

- Qualitative Analysis of Carbohydrates, Lipids and Sterols (Cholesterol), Blood Analysis
- Quantitative Analysis of Carbohydrates (Glucose, Fructose, Sucrose, Starch)

#### **Microbiology**

- Sterilization of glassware
- Simple staining of yeast
- Gram staining of given culture
- Microbiological Analysis of Air, Water and Soil

### **PHARMACOGNOSY**

- Introduction of  
Acacia, senna, tamarind, Glycyrrhiza, ginger, curcuma, fennel, coriander, belladonna, capsicum, garlic, digitalis, peppermint, spearmint, aloe vera
- Extraction of the active constituents of crude drugs and chemical test for the identification.
- Isolation and Demonstration of Chromatographic Techniques.

### **PHARMACEUTICS-1 (General, Physical and Dispensing)**

- Experiments to demonstrate some of physico-chemical processes like simple distillation, steam distillation, crystallization
- Preparation of Isotonic solution and buffer solution
- Determination of %age composition of solutions by specific gravity
- Preparation of Iodine tincture
- Preparation of Simple ointment
- Preparation of Sulphur ointment
- Preparation of ORS
- Practical introduction to prescription, interpretation, labeling