

**B.PHARM. DEGREE EXAMINATION
FIRST YEAR
PAPER III – ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION**

Q.P. Code : 564253

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. a) Describe the mechanism of coagulation of blood. How do extrinsic and intrinsic pathways differ? What are the factors involved in it?
b) Define Anemia. Classify Anemia and explain each type of Anemia.
2. Give the physiological functions of female sex hormones. Explain the physiology of menstruation.

II. Write notes on: **(8 x 5 = 40)**

1. Parasympathetic innervation and its function.
2. Reflex arc.
3. Describe various types of muscular tissues.
4. Structure and functions of skin.
5. Explain the factors involved in the regulation of blood pressure.
6. Composition & function of plasma protein.
7. Cardiac cycle.
8. Name the fat soluble Vitamins and their deficiency diseases.

III. Short answers on: **(10 x 2 = 20)**

1. Mountain sickness.
2. Acromegaly.
3. Neuromuscular junction.
4. Pulmonary circulation.
5. Causative agents and modes of transmission of chickenpox and measles.
6. Name the disorders of Vitamin K and Iron.
7. What is Tubectomy and Vasectomy?
8. What is resuscitation?
9. Give the composition of bile.
10. Define Vital capacity.