

(LQ 4253)

FEBRUARY 2020

Sub Code: 4253

**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 mechanism of coagulation of blood. How do extrinsic and intrinsic pathways differ? What are factors involved in it?  
b) Define Anemia. Classify Anemia and explain each type of Anemia.
2. Give physiological functions of female sex hormones. Explain 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 factors involved in regulation of blood pressure.
6. Composition & function of plasma protein.
7. Cardiac cycle.
8. Name fat soluble Vitamins and its 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 disorders of Vitamin K and Iron.
7. What is Tubectomy and Vasectomy?
8. What is resuscitation?
9. Give composition of bile.
10. Define Vital capacity.

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