



(LG 4253)

FEBRUARY 2015

Sub Code: 4253

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

Q.P. Code : 564253

Time: Three hours

Maximum: 100 marks

I. Essays:

(2 x 20 = 40)

1. a) With neat labeled diagram, explain the anatomy of kidney and Nephron and its functions.
b) Explain physiology of urine formation.
2. Describe various layers and glands of skin with labeled diagram. Write the functions of skin.

II. Short notes:

(8 x 5 = 40)

1. Describe the structure and functions of epithelial tissue
2. Define and classify bones with suitable example
3. Write notes on physiology of hearing
4. Explain the different family planning methods
5. Action potential
6. Functions of cerebrum and cerebellum
7. Discuss the mechanism of respiration
8. Anatomy of pituitary gland with diagrammatic representation

III. Short answers:

(10 x 2 = 20)

1. Define cardiac output
2. What is cyanosis?
3. Define vital capacity
4. Myxoedema
5. Anaemia
6. What is balanced diet?
7. Define erythropoiesis
8. What is reflex arc?
9. Droplet infection
10. Heart sounds

