

(LC 4253)

FEBRUARY 2013

Sub. Code: 4253

**FIRST YEAR B.PHARM. EXAM**

**Paper III – ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION**

*Q.P. Code : 564253*

**Time: Three Hours  
(180 Min)**

**Maximum: 100 marks**

**I. Elaborate on:**

**(2 x 20 = 40 marks)**

1. a) Draw a neat sectional diagram of heart and label the inner parts ?  
b) Mention about vital centers of brain?  
c) Cerebrospinal Fluid?
2. a) Structure and function of male and female reproductive system ?  
b) Spermatogenesis and oogenesis?

**II. Write notes on:**

**(8 x 5 = 40 marks)**

1. What is causative agent? Mode of transmission and preventive measures of Tuberculosis?
2. Balanced diet?
3. Cardiac cycle?
4. Rh factors?
5. Define B.P? write about the various factors that regulate B.P
6. Explain the mechanism of Respiration?
7. Types of Synovial joint?
8. Composition of urine, Disease of the urinary system?

**III. Short Answers:**

**(10 x 2 = 20 marks)**

1. Aqueous humor.
2. Kawashiorkar.
3. Functions of cell.
4. Classification of bones.
5. Functions of WBC.
6. Functions of Spleen.
7. Rods and cones.
8. Types of valves in the heart.
9. Cerebellum.
10. Functions of Uterus.

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