

FEBRUARY - 2006

[KO 704]

Sub. Code : 4164

FIRST B.Pharm. DEGREE EXAMINATION.

(Revised Regulations)

**Paper IV — ANATOMY, PHYSIOLOGY AND HEALTH
EDUCATION**

Time : Three hours

Maximum : 90 marks

**Theory : Two hours and
forty minutes**

Theory : 70 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

I. Long Essay :

Answer any TWO questions : (2 × 15 = 30)

1. Describe the stages of blood clotting and explain the various factors that promote and inhibit blood clotting. (10 + 5)

2. Define the term blood pressure. Discuss how blood pressure is regulated. (2 + 13)

3. Discuss pulmonary ventilation, external respiration and internal respiration. Write a note on artificial respiration. (12 + 3)

II. Short notes :

Answer any EIGHT questions : (8 × 5 = 40)

1. Enumerate the hormones secreted by pituitary gland and give the function of growth hormone.

2. Write a note on prevention and spread of malaria.

3. State the functions of the hypothalamus.

4. Explain the formation, circulation and function of CSF (Cerebrospinal fluid)

5. Write a note on spermatogenesis.

6. Discuss intrauterine devices and barrier methods of contraception.

7. Briefly explain the mechanism of urine formation.

8. Draw a neat diagram to explain structure of human eye.

9. How does digestion of protein occur in the body?

10. Discuss a balanced diet.