

## FEBRUARY - 2005

[KM 704]

Sub. Code : 4164

FIRST B.Pharm. DEGREE EXAMINATION.

(Revised Regulations)

Paper IV — ANATOMY, PHYSIOLOGY AND HEALTH  
EDUCATION

Time : Three hours

Maximum : 90 marks

Sec. A & B : Two hours and  
forty minutes

Sec. A & B : 70 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

SECTION A — ( $2 \times 15 = 30$  marks)

Answer any TWO questions.

Essay Questions :

1. Write a detailed note on structure and functions of cerebellum. (5 + 10)
2. With the help of a diagram, explain the structure and functions of nephron. Add a note on functions of kidney as a whole. (10 + 5)
3. Explain the physiological role of insulin. (15)

SECTION B — ( $8 \times 5 = 40$  marks)

Answer any EIGHT questions.

All questions carry equal marks.

Short notes :

4. Write the steps involved in synthesis of thyroxine.
5. Write a note on coagulation of blood.
6. Explain various methods of family planning in short.
7. Write in short about functions of medulla oblongata.
8. Write a note on exocrine functions of pancreas.
9. Explain properties of cardiac muscle.
10. Write a note on external respiration.
11. Describe functions of plasma proteins.
12. Explain the role of lungs in maintaining acid-base balance.
13. (a) Gigantism (b) Jaundice.