

APRIL 2004

[KK 227]

Sub. Code : 2952

M.Sc. (Non-Clinical) DEGREE EXAMINATION.

Preliminary

(Common to all branches)

Paper II — PHYSIOLOGY AND BIOCHEMISTRY

Time : Three hours

Maximum : 100 marks

Sec. A & B : Two hours and
forty minutes

Sec. A & B : 80 marks

Section C : Twenty minutes

Section C : 20 marks

Answer Sections A and B in SEPARATE Answer Books.

Answer Section C in the Answer Sheet provided.

SECTION A

(PHYSIOLOGY)

1. Discuss in detail the histology, development and secretions of Pituitary gland. Describe the effect of hypersecretion of Growth hormone. (15)
2. Write short notes on : (5 x 5 = 25)

(a) Surfactant.

(b) Cerebro spinal fluid.

- (c) Tetany.
- (d) Myopia.
- (e) Permanent contraceptive devices.

SECTION B

(BIOCHEMISTRY)

3. What are enzymes? Describe enzyme action and factors influencing them. Describe biologically important enzymes. (15)
4. Short notes on the following : (5 x 5 = 25)
 - (a) Glycogen storage diseases.
 - (b) LDH
 - (c) Ketone bodies
 - (d) Liver function tests
 - (e) Kwashiorkor.