

AUGUST 2005

[KN 871]

Sub. Code : 5001

SECTION B — (10 × 5 = 50 marks)

**B.Sc. (Medical Laboratory Technology) DEGREE
EXAMINATION.**

Paper I — HUMAN BIOLOGY

Time : Three hours

Maximum : 100 marks

**Sec. A & B : Two hours and
forty minutes**

Sec. A & B : 80 marks

Sec. C : Twenty minutes

Sec. C : 20 marks

Answer Sections A and B in the SAME answer book.

Answer Section C in the answer sheet provided.

Answer ALL questions.

SECTION A — (2 × 15 = 30 marks)

1. What is the normal arterial blood pressure? How is it regulated? Mention the physiological variations.
2. Draw a diagram of the nephron. Write in detail how urine is formed.

3. Write short notes on :

- (a) Heart-sounds
- (b) Smell
- (c) Erythroblastosis foetalis
- (d) Respiratory centres
- (e) Oxytocin
- (f) Contraceptives
- (g) Cartilage
- (h) Gigantism
- (i) Functions of hypothalamus
- (j) Insulin.