

**AUGUST 2007**

**[KR 871]**

**Sub. Code : 5001**

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

**First Year**

**Paper I — HUMAN BIOLOGY**

**Time : Three hours      Maximum : 100 marks**

**Descriptive: Two hours and forty minutes      Descriptive : 80 marks**

**Objective : Twenty minutes      Objective : 20 marks**

**Answer ALL questions.**

**I. Write Essay on:      (2 × 15 = 30)**

**(1) Write an essay on Mechanism of Urine Formation.**

**(2) Describe in detail the physiology of Respiration.**

**II. Write Short notes on :      (10 × 5 = 50)**

**(a) Functions of Bile.**

**(b) Physiology of digestion in stomach.**

- (c) The chambers of heart.**
- (d) Pulmonary Circulation.**
- (e) Spermatogenesis.**
- (f) Location and structure of spleen.**
- (g) Functions of skin.**
- (h) Structure of Spinal cord.**
- (i) Composition and functions of blood.**
- (j) Name the hormones of Adrenal Cortex and one important function of each.**