

[LD 0212]

AUGUST 2013

Sub. Code: 5001

**B.Sc. MEDICAL LABORATORY TECHNOLOGY
FIRST YEAR
PAPER I – HUMAN BIOLOGY**

Q.P. Code : 725001

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

I. Elaborate on:

(3x10 = 30)

1. Name the parts of brain, spinal cord and meninges. Add a note on formation of cerebrospinal fluid.
2. What is haemopoiesis? Enumerate the steps involved in erythropoiesis. Name the factors regulating it.
3. Name the adrenal cortical and adrenal medullary hormones. Elaborate on their functions.

II .Write Notes on:

(8x5 = 40)

1. Classify chromosomes into autosomes and sex chromosomes
2. Bone marrow
3. Menstrual cycle
4. Structure and functions of nephron
5. Physiology of respiration
6. Types of tissues and its functions
7. Absorption of foods
8. Spermatogenesis

III. Short Answers on:

(10x3 = 30)

1. Mendel's theory of inheritance
2. Define allele and gene
3. Heart chambers
4. List any three functions of liver
5. Name three steps in formation of urine
6. Cell division
7. Name the parts of brain
8. Diabetes mellitus
9. Bone
10. Structure of skin
