

August 2010

[KX 871]

Sub. Code: 5001

B.Sc. (Medical Laboratory Technology) DEGREE EXAMINATION

FIRST YEAR

Paper I – HUMAN BIOLOGY

Q.P. Code : 725001

Time : Three hours

Maximum : 100 marks

Answer All questions.

I. Essays :

(2X15=30)

1. Classify Blood groups. Describe the ABO and Rh blood group systems. What are the uses of blood grouping? Enumerate the effects of mismatched transfusion.
2. Draw and locate the Respiratory centres. Describe the Neural and chemical regulation of respiration.

II. Write Short Notes on :

(10X5=50)

1. ESR.
2. Juxta Glomerular apparatus.
3. Vital capacity.
4. Functions of liver.
5. Acromegaly.
6. Movements of small intestine.
7. Artificial respiration.
8. Functions of Bone.
9. Functions of CSF.
10. Classify autosomes and sex chromosomes.

III. Short Answer Questions:

(10X2=20)

1. Renal threshold for glucose.
2. Hormones of adrenal cortex.
3. Digestive enzymes secreted by salivary gland.
4. Pace maker of heart.
5. Chief cells of stomach.
6. Beta cells of pancreas.
7. Normal respiratory rate and its control.
8. Oxytocin.
9. Myxoedema.
10. Anti diuretic hormone.
