

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:

(3 x 10 = 30)

1. What are the parts of the digestion system? Describe the digestion and absorption of nutrients from the small intestine.
2. Write about menstrual cycle and hormones involved in regulation.
3. Describe the composition and functions of blood.

II. Write notes on:

(8 x 5 = 40)

1. Regulation of body temperature
2. Structure and function of nephrons.
3. Write about ESR – Erythrocyte sedimentation rate.
4. Write about the conducting system of the heart.
5. Explain in detail about the layers and functions of skin.
6. List the parts of central nervous system.
7. Explain about Diaphragm and its functions.
8. Write about medulla oblongata.

III. Short answers on:

(10 x 3 = 30)

1. Ventricles of brain.
2. Parts of male genital system.
3. Write about synovial joint.
4. What is osmosis? Explain.
5. What is gigantism?
6. Role of bile in digestion.
7. Muscle and its types.
8. Mendel's theory of inheritance.
9. Blood brain barrier.
10. Name the chambers and valves of heart.
