

**DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY
FIRST YEAR
PAPER I – ANATOMY AND PHYSIOLOGY, BIOCHEMISTRY**

Q.P. Code: 842601

Time : Three Hours

Maximum : 100 Marks

Answer All questions.

I. Elaborate on:

(3 x 10 = 30)

1. Explain the mechanism of respiration.
2. Describe the structure and functions central nervous system.
3. Explain in detail about the female reproductive system.

II. Write notes on:

(10 x 5 = 50)

1. Explain the organelles of cytoplasm.
2. Explain the water soluble vitamins.
3. Write notes on urine formation.
4. Histology of liver
5. Explain about cardiac cycle.
6. Explain the muscles associated with upper limb.
7. Write notes on acid – base regulation in kidney.
8. Write in brief on conducting system of the heart.
9. Explain about pituitary gland and its hormones.
10. Explain about protein malnutrition.

III. Short answers on:

(10 x 2 = 20)

1. Types of the pituitary hormone.
2. What is cell?
3. Define Malnutrition.
4. Functions of the skeletal system.
5. Define Blood pressure.
6. Functions of Liver.
7. Define the functions of nephrons.
8. Disorders of insulin secretion.
9. Define physiology.
10. Define acidosis.
