

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. Write in detail about the anatomy of Heart. Add a note on cardiovascular disorders.
2. List out the Important Endocrine Glands of the Body. Write in detail the Hormones of Thyroid Gland.
3. What is normal pH? Write a note on blood buffers. Describe in detail the role of kidney in regulating blood pH.

II. Write notes on:

(10 x 5 = 50)

1. Lung Volume and capacities.
2. Accessory Muscles of Respiration.
3. Classify bones and joints.
4. Anticoagulants and their uses.
5. What are the factors affecting enzyme activity?
6. Functions of Albumin.
7. Anatomical Planes of the Abdomen.
8. Nephron.
9. Essential amino acids.
10. Calcium homeostasis.

III. Short answers on:

(10 x 2 = 20)

1. What are fat soluble vitamins?
2. What is Basal metabolic rate (BMR)?
3. Define Normality and Molarity.
4. What are the functions of bile salts?
5. Name three places where pulse can be felt.
6. Functions of endoplasmic reticulum.
7. Define Glomerular filtration rate.
8. Define homopolysaccharide with examples.
9. Thymus.
10. Describe Coenzymes with examples.
