

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1122]

NOVEMBER 2022

Sub. Code: 1306

**B.Sc. DIALYSIS TECHNOLOGY
FIRST YEAR (Regulation 2014-2015)
PAPER I – ANATOMY, PHYSIOLOGY AND BIOCHEMISTRY
Q.P NO. 801306**

Time: Three Hours

Answer All questions

Maximum: 100 Marks

I. Elaborate on: (3 x 10 = 30)

1. Explain the blood supply of heart with a neat diagram. Add a note on applied anatomy.
2. Describe the structure of Hemoglobin. Add a note on functions of Hemoglobin.
3. Explain the Chemistry, sources, RDA, biochemical functions and deficiency manifestations of Vitamin A.

II. Write notes on: (8 x 5 = 40)

1. Role of bile in digestion.
2. Difference between right and left lung.
3. Structure of Urinary bladder.
4. Classification and functions of Lipids.
5. Heart sounds.
6. Essential amino acids.
7. Define Basal Metabolic Rate. Add a note on factors affecting Basal Metabolic Rate.
8. Mouth to mouth respiration.

III. Short answers on: (10 x 3 = 30)

1. Ketonuria.
2. Types of hypoxia.
3. Functions of prostaglandin.
4. Types of RNA.
5. Composition of Blood.
6. Tidal volume.
7. Name the muscles supplied by median nerve.
8. Scurvy.
9. Name the muscles of anterior compartment of arm.
10. Give any three Non excretory functions of kidney.
