

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

[AHS 1123]

NOVEMBER 2023

Sub. Code: 1306

B.Sc. DIALYSIS TECHNOLOGY

FIRST YEAR (Regulations 2014-2015 & 2018-2019 onwards)

PAPER I – ANATOMY, PHYSIOLOGY AND BIOCHEMISTRY

Q.P. Code: 801306

Time: Three hours

Maximum : 100 Marks

Answer ALL Questions

I. Elaborate on:

(3 x 10 = 30)

1. Define Glomerular Filtration Rate. Write its Normal Values. What are the factors of influencing GFR.
2. Describe in detail about the Lungs under the following headings:
 - a) Coverings
 - b) External features
 - c) Differences between Right and Left Lung
 - d) Parts of Bronchial tree
 - e) Applied Anatomy.
3. Describe in detail about Fat Soluble Vitamins.

II. Write notes on:

(8 x 5 = 40)

1. Neuromuscular junction.
2. Classification of Epithelium.
3. Artificial Respiration.
4. Popliteal fossa.
5. Chambers of the Heart.
6. Gastrointestinal hormones.
7. Cushing's syndrome.
8. Structure of Nephron.

III. Short answers on:

(10 x 3 = 30)

1. Renal calculi.
2. Hormones of the posterior pituitary.
3. Urinary bladder and functions.
4. Heart sounds.
5. Any three functions of Plasma protein.
6. Dietary fibers.
7. Classification of Muscles.
8. Glycosuria.
9. Buffers.
10. Parts of Long bone.
