

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

[AHS 0423]

APRIL 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

Answer All questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Explain the formation, parts and branches of Brachial plexus and add a note on Carpal Tunnel syndrome.
2. Name the steps involved in urine formation. Explain the mechanism of GFR in detail.
3. Explain the homeostasis of blood glucose. Add a note on Diabetes Mellitus.

II. Write notes on:

(8 x 5 = 40)

1. Structure of Nephron.
2. Describe the origin, insertion, nerve supply and action of Deltoid muscle.
3. Anticoagulants.
4. Factors affecting enzyme activity.
5. Disorders of protein deficiency.
6. Renal function test.
7. Valves of the Heart.
8. Circulatory shock.

III. Short answers on:

(10 x 3 = 30)

1. Name the joints formed by the bones of Lower limb.
2. What is Balanced diet?
3. Name the Pancreatic enzymes.
4. Supination and Pronation.
5. Name the antigens present in ABO system.
6. Features of Tetany.
7. Branches of arch of Aorta.
8. Deficiency of vitamin D.
9. Cardiac cycle.
10. Structures passing through the Hilum of lung.
