

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

[AHS 1123]

NOVEMBER 2023

Sub. Code: 1331

B.Sc. DIALYSIS TECHNOLOGY

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

PAPER I – MICROBIOLOGY, PATHOLOGY I & II AND PHARMACOLOGY

Q.P. Code: 801331

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Describe about Opportunistic infections and add a note on its complications to a Dialysis Patient.
2. Explain in detail about Cellular Adaptation, Cell Injury and Cell Death.
3. Classify Diuretics. Describe its actions, side effects and contraindications.

II. Write notes on:

(8 x 5 = 40)

1. Vascular access infections and its prevention.
2. Renal Vascular disorder.
3. Hyperkalemia.
4. Protamine sulphate.
5. Acute Pyelonephritis.
6. Vitamins of therapeutic value.
7. Inflammation and its types.
8. Difference between Gram Positive and Gram Negative Bacterial Cell Wall with diagram.

III. Short answers on:

(10 x 3 = 30)

1. Renal Calculi.
2. Define Sterilisation and Disinfection with examples.
3. Erythropoietin.
4. Calcium Channel Blockers.
5. Cells involved in Immunity.
6. Name three causes of peritonitis.
7. Laboratory diagnosis of Urinary Tract Infections.
8. Diabetic Nephropathy.
9. Name six Oncogenic Viruses.
10. Mode of Transmission of Hepatitis B Virus.
