

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

**[AHS 0423]**

**APRIL 2023**

**Sub. Code: 1331**

**B.Sc. DIALYSIS TECHNOLOGY**

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

**PAPER I – MICROBIOLOGY I & II, 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 in detail the Sampling methodologies for Culture and Sensitivity.
2. Explain in detail about acute and Chronic Inflammation and consequences of excessive Inflammation.
3. Classify Antihypertensives. Describe its actions, side effects and contraindications with special reference to Dialysis.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Mode of Spread, precautions and prophylaxis of Hepatitis C virus.
2. Pathogenesis and clinical features of Bacterial infection of Urinary tract.
3. Opportunistic Fungal infections.
4. Hospital Acquired Infections.
5. Reversible and irreversible cell injury.
6. Neoplasia.
7. Congenital abnormalities of urinary system.
8. Therapeutic values of Vitamin with examples.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Yeast infections.
2. How to identify viruses?
3. Transmission routes of HIV.
4. Apoptosis.
5. Cells involved in immunity.
6. Name three causes of Peritonitis.
7. Clinical features of tumours.
8. Heparin.
9. Dosage and side effects of Diuretics.
10. Drugs used in Hypotension.

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