

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

[AHS 0423]

APRIL 2023

Sub. Code: 1041

**DIPLOMA IN ACCIDENT AND EMERGENCY CARE TECHNOLOGY
SECOND YEAR – (Regulations 2014 -2015, 2015-2016 & 2018-2019 onwards)
PAPER I – PATHOLOGY, MICROBIOLOGY, PHARMACOLOGY
*Q.P. Code: 841041***

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Define and Classify Adverse Drug Reactions.
2. Various Morphology and Physiology of Bacteria.
3. Cellular response, adaptation, injury and Cell Death.

II. Write notes on:

(10 x 5 =50)

1. Chemical mediators of Inflammation.
2. Enumerate Immunoprophylaxis with examples.
3. Disinfection.
4. Disorders of Immune system.
5. Explain Clinical Pharmacokinetics.
6. Main Sources of Drugs.
7. Free radicals and Anti-oxidants.
8. Bacterial Growth Curve.
9. Explain Bioavailability.
10. Difference between Benign and Malignant Tumors.

III. Short answers on:

(10 x2 =20)

1. Mention any two advantages and disadvantages of Oral Route of Drug Administration.
2. Louis Pasteur.
3. Name any two RNA Viruses.
4. Name different Hyper of Bacterial Flagella with example.
5. Granuloma.
6. Define Apoptosis.
7. Define Active and Passive Immunity.
8. Neoplasia.
9. Elimination of Drugs.
10. Idiosyncrasy.
