

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

[AHS 0922]

SEPTEMBER 2022

Sub. Code: 1041

(FEBRUARY 2022 & AUGUST 2022 EXAM SESSIONS)

**DIPLOMA IN ACCIDENT AND EMERGENCY CARE TECHNOLOGY
SECOND YEAR – (Regulations from 2014 -2015, 2015-2016 & 2018-2019)**

PAPER I – PATHOLOGY, MICROBIOLOGY, PHARMACOLOGY

Q.P. Code: 841041

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3x10 = 30)

1. Discuss in detail the structure, clinical features, pathogenesis and transmission of Hepatitis B virus.
2. Define Neoplasia. Write in detail about Carcinogenic agents and their cellular interaction.
3. Classify Penicillins. Write the mechanism of action, uses and adverse effects of Penicillin G.

II. Write notes on:

(10 x 5 =50)

1. Cell injury.
2. Endogenous Pigments.
3. Free radicals and Antioxidants.
4. Laboratory diagnosis of Malaria.
5. Autoclave.
6. Anaphylaxis.
7. Immunoglobulins.
8. Bioavailability.
9. Granuloma.
10. Define and classify – Adverse drug reactions.

III. Short answers on:

(10 x2 =20)

1. Name two Anticoagulants.
2. Define Hyperplasia.
3. Define Hypertrophy.
4. Clotting time.
5. Name any two investigations done for Leptospirosis.
6. Bacterial Flagella.
7. Define Nosocomial infection.
8. Define Spores.
9. Give two disadvantages of Oral drug administration.
10. Name any two Tumor markers.
