

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

[BDS 0723]

JULY 2023

Sub. Code: 4206

B.D.S. DEGREE EXAMINATION

(Common to Second Year Paper II Modified Regulation III Candidates)

SECOND YEAR

PAPER I – GENERAL PATHOLOGY AND MICROBIOLOGY

Q.P Code: 544206

Time: 180 Minutes

Maximum: 70 Marks

Draw Suitable diagrams wherever necessary

Answer section A and B in Separate Answer Books

SECTION – A

(GENERAL PATHOLOGY)

I. Elaborate on: **(1 x 10 = 10)**

1. Enumerate the causes of Cell injury. Describe the mechanism of reversible and irreversible injury. Elaborate on Apoptosis and give examples of Apoptosis.

II. Write Notes on: **(3 x 5 = 15)**

1. Phagocytosis.
2. Wound healing.
3. Thalassemia.

III. Short answers: **(5 x 2 = 10)**

1. Name four Salivary Gland Tumors.
2. Osteomalacia.
3. Etiology of Atherosclerosis.
4. Hemophilia.
5. Types of Embolism.

SECTION – B

(MICROBIOLOGY)

I. Elaborate on: **(1 x 10 = 10)**

1. Describe the Morphology, Clinical features and Laboratory diagnosis of *Corynebacterium Diphtheriae*.

II. Write Notes on: **(3 x 5 = 15)**

1. Principle and Applications of Enzyme Linked Immunosorbent Assay.
2. Measles.
3. Chemical disinfectants.

III. Short answers: **(5 x 2 = 10)**

1. Dental caries.
2. Bacteriodes.
3. Standard precautions.
4. Write the definite and intermediate host in Malarial Parasite.
5. Contributions of Louis Pasteur to Microbiology.
