

SECOND YEAR B.D.S. DEGREE EXAM
(Common to Second Year Paper II - Modified Regulation III Candidates)

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. Define Neoplasia. Discuss Chemical Carcinogenesis.

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

1. Define and discuss the process of Metastasis.
2. Granuloma – Types and Mechanism of formation.
3. Brown Induration of Lungs.

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

1. Opportunistic infections.
2. Trisomy 21.
3. Differences between transudate and exudate.
4. Give two examples for Physiological and Pathological atrophy.
5. Leukemoid reaction.

SECTION – B
(MICROBIOLOGY)

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

1. Write the morphology, cultural characteristics, pathogenesis and laboratory diagnosis of Mycobacterium Tubercle Bacilli.

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

1. Anaerobic culture methods.
2. Asexual cycle (Schizogony) of Malaria parasite.
3. Oral Thrush.

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

1. Gene transfer methods.
2. What is meant by dental plaque and dental caries?
3. What is B-cells and T-cells?
4. Pasteurization.
5. Write 2 stains and 2 cultures used for fungal identification.
