

I.T.S DENTAL COLLEGE, HOSPITAL & RESEARCH CENTRE

47, Knowledge Park III, Greater Noida

First Internal Assessment Examination

BDS 2nd year (2022 Batch)

Subject: Pathology/Microbiology

Time: 3hrs MM:70

Date: 13.05.2024

- All questions are compulsory
- Use separate sheet for Part A and Part B
- Draw well labeled diagram wherever necessary

PART-A (GENERAL PATHOLOGY)

Q.1. Define necrosis. Describe briefly morphology and types of necrosis. 10

Q.2. Write notes on the following:

3 x 5 = 15

- a) Difference between benign & malignant tumor
- b) What is Granulomatous Inflammation? Write in detail about Primary & Secondary Tuberculosis.
- c) Define calcification and write in detail about dystrophic & metastatic calcification.

Q.3. Write short notes on the following:

5 x 2 = 10

- a) Difference between Hypertrophy and Hyperplasia
- b) Difference between Dysplasia and Metaplasia
- c) Dry Gangrene
- d) Metastasis
- e) Teratoma

PART-B (MICROBIOLOGY)

Q.1. Define and classify hypersensitivity. Describe hypersensitivity Type-4 reaction in detail. 10

Q.2. Write notes on the following:

3 x 5 = 15

- a) Types and applications of ELISA
- b) Describe in detail methods of moist heat sterilization with examples
- c) Discuss pathogenesis and clinical diseases caused by *Staphylococcus aureus*

Q.3. Write short notes on the following:

5 x 2 = 10

- a) IgA
- b) Difference between Active and Passive immunity
- c) Monoclonal antibodies & their applications
- d) Bacterial growth curve
- e) Classify culture media with examples

