

BACHELOR OF DENTAL SURGERY (2008 COURSE)
SECOND - B.D.S. : WINTER :- 2021
SUBJECT: GENERAL PATHOLOGY & MICROBIOLOGY

Day : Wednesday
Date 16-Mar-2022

W-5754-2021

Time : 09:00 AM-12:00 PM
Max. Marks: 70

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Each section should be written in a **SEPARATE** answer book.
- 4) Draw neat diagram **WHEREVER** necessary.

SECTION – I

- Q.1** Long Essay **ANY ONE** of the following: (10)
- a) Define Oedema. Describe pathogenesis of pulmonary oedema (10)
- OR**
- b) Define neoplasia. Describe differences between benign and malignant tumours.
- Q.2** Write short notes on **ANY THREE** of the following: (15)
- a) Cellular events of acute inflammation
 - b) Enumerate types of necrosis. Describe caseous necrosis in detail.
 - c) Stages of lobar pneumonia
 - d) Enumerate laboratory investigations and four chronic systemic complications of diabetes mellitus.
- Q.3** Write short notes on **ANY FIVE** of the following: (10)
- a) Causes of fatty change
 - b) Chemical carcinogens
 - c) Secondary amyloidosis
 - d) Differences between dry and wet gangrene
 - e) Factors delaying wound healing
 - f) Etiology of C.P.V.C. liver

SECTION – II

- Q.4** Long Essay **ANY ONE** of the following: (10)
- a) Enumerate spore bearing microorganisms. Describe morphology, cultural characteristics, toxins, enzymes produced and pathogenicity of Clostridium tetani. Discuss laboratory diagnosis and prophylaxis of Tetanus. (10)
- OR**
- b) Define Sterilisation, disinfection and antiseptics. Describe the method of sterilisation by moist heat.
- Q.5** Write short notes on **ANY THREE** of the following: (15)
- a) Enumerate DNA and RNA viruses. Write about the laboratory diagnosis of viral infections.
 - b) Write the pathogenicity of Corynebacterium diphtheriae. What are the complications of diphtheria? Discuss laboratory diagnosis of diphtheria.
 - c) Classify and write the structure and functions of immunoglobulins.
 - d) Classify leprosy. Write about lepra reactions.
- Q.6** Write short notes on **ANY FIVE** of the following: (10)
- a) Write four differences between Streptococcus viridans and Streptococcus pneumoniae.
 - b) Enumerate the standard tests for diagnosis of Syphilis.
 - c) What is Zoonosis? Give two examples of Zoonotic diseases.
 - d) Define Epidemic and endemic with examples.
 - e) Write the lesions produced by Candida albicans.
 - f) Write the mode of entry and infective form of Entamoeba histolytica.