

BACHELOR OF DENTAL SURGERY (2008 COURSE)
SECOND - B.D.S. SUMMER : 2022
SUBJECT : GENERAL PATHOLOGY & MICROBIOLOGY

Day : Thursday

Time : 09:00 AM-12:00 PM

Date : 03-11-2022

S-5754-2022

Max. Marks : 70

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Draw neat labeled diagrams **WHEREVER** necessary.
- 4) Answer to both the sections should be written in **SEPARATE** answer book.

SECTION – I

Q.1 Long Essay Questions (Any One) (10)

- a) Enumerate the types of emboli. Describe the pathogenesis and clinical effects of pulmonary embolism in detail.
- b) Define repair. Describe healing of a bone fracture. Enumerate the causes of delayed healing of a fracture.

Q.2 Short Essay Questions (Any Three) (15)

- a) Describe the gross and microscopy of myocardial infarction.
- b) Describe gross and microscopic characteristics of a malignant tumour.
- c) Describe etiopathogenesis, gross and microscopic appearance of fatty liver.
- d) Describe etiopathogenesis of lobar pneumonia.

Q.3 Write short answer (Any Five) (10)

- a) Enumerate the methods of laboratory diagnosis of a tumour.
- b) Enumerate two causes each of iron deficiency anemia and megaloblastic anemia.
- c) Write the cause and two clinical features of rickets.
- d) Define dysplasia.
- e) Mention four risk factors for development of atherosclerosis.
- f) Enumerate routes of metastasis.

SECTION – II

Q.4 Long Essay Questions (Any One) (10)

- a) Describe the morphology of a bacterial cell with the help of diagram. Mention the functions and methods of demonstrations of various anatomical parts of bacteria.
- b) Describe the morphology, cultural characteristics, biochemical reactions, toxin and pathogenicity of *Corynebacterium diphtheriae*. Describe the laboratory diagnosis of Diphtheria. How would you immunize a person against Diphtheria?

Q.5 Short Essay Questions (Any Three) (15)

- a) Define sterilization; disinfection and antiseptics. Describe the methods of dry heat sterilization.
- b) Describe the structure and functions of immunoglobulins.
- c) Describe the general properties and replication of viruses.
- d) Classify leprosy. Describe polar forms of leprosy and lepra reactions.

Q.6 Write short answer (Any Five) (10)

- a) Write the role of normal flora in oral cavity.
- b) Write the morphological classification of fungi with examples.
- c) Define – Definitive and intermediate hosts with examples.
- d) Enumerate stages with respective lesions of syphilis.
- e) Define epidemic and endemic diseases with two examples.
- f) Enumerate various methods of transmission of diseases with examples.
