

II – B.D.S. (2008 COURSE) : SUMMER - 2019
SUBJECT : GENERAL PATHOLOGY AND MICROBIOLOGY

Day : Friday
Date : 07/06/2019

Time : 09.00 AM TO 12.00 NOON
Max. Marks : 70

S-2019-4043

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 diagrams **WHEREVER** necessary.

SECTION – I

- Q.1** Describe pathogenesis of oedema. Describe pulmonary oedema in detail. (10)
- OR**
- Q.1** Define inflammation. Enumerate causative agents of inflammation. Enumerate the mechanisms of increased vascular permeability. Describe phagocytosis. (10)
- Q.2** Write short notes (**ANY THREE**) (15)
- a) Describe the gross and microscopy of fatty liver.
 - b) Define repair. Describe healing of a skin wound by secondary intention.
 - c) Classify carcinogens. Write in short about radiation carcinogenesis.
 - d) Enumerate causes of iron deficiency anemia and describe its laboratory diagnosis.
- Q.3** Write short answers on (**ANY FIVE**) (10)
- a) Define neoplasia. Enumerate the routes of metastasis of malignant tumours.
 - b) Enumerate the investigations done in a case of myocardial infarction.
 - c) Clinical features of Vitamin D deficiency.
 - d) Define secondary amyloidosis. Name the organs affected by this.
 - e) Pathogenesis of atherosclerosis.
 - f) Caseous necrosis

SECTION – II

- Q.4** Classify viruses with suitable examples. Write the differences between bacteria and viruses. Describe the laboratory diagnosis of viral infections. (10)
- OR**
- Q.4** Enumerate pyogenic cocci. Describe the morphology, cultural characteristics, biochemical reactions, toxins and enzymes produced and pathogenicity of *Staphylococcus aureus*. Describe the laboratory diagnosis of Staphylococcal infections. (10)
- Q.5** Write short notes (**ANY THREE**) (15)
- a) Define autoimmunity. Describe the mechanisms and examples of autoimmune diseases.
 - b) Write the pathogenicity of *Corynebacterium diphtheria*. What are the complications of diphtheria? How would you immunize a person against Diphtheria?
 - c) Enumerate agents causing mycetoma and discuss laboratory diagnosis of mycetoma.
 - d) Define disinfectants. Classify and write the mode of action of disinfectants.
- Q.6** Write short answers on (**ANY FIVE**) (10)
- a) Contributions of Louis Pasteur.
 - b) Enumerate the methods of anaerobiosis.
 - c) Differentiate between exotoxins and endotoxins.
 - d) Enumerate the developmental stages of *Plasmodium* species in human cycle.
 - e) Write the laboratory diagnosis of oral candidiasis.
 - f) Enumerate standard tests for diagnosis of syphilis.

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