



P-4819

Seat No. _____

Second Year B. D. S. Examination

July - 2018

General Pathology & General Microbiology

Time : 3 Hours]

[Total Marks : 70

- Instructions :**
- (1) Write answer of each section in separate answer books.
 - (2) Figure to the right indicates full marks.
 - (3) Avoid irrelevant writing and attempt all questions.
 - (4) Draw a neat and labeled diagram wherever necessary.

SECTION - I

- 1 Define Ghon's complex. Write the etiopathogenesis of Tuberculosis. Pathological features of primary and secondary T.B. **10**

OR

- 1 Define Amyloidosis. Classify it and write about the stains used in Amyloid staining and morphology of the organs affected. **10**

- 2 Answer in Brief : (any **five**) **2×5=10**

- (a) Give Examples of reversible and irreversible cell injuries.
- (b) Name any four types of shock.
- (c) Oral manifestations of Syphilis.
- (d) Factors affecting wound healing.
- (e) Oral manifestations of Vitamin "B" complex deficiency.
- (f) Different types of Embolisms.

- 3** Write notes on : (any **five**) **3×5=15**
- (a) Differentiate between red and pale Infarct.
 - (b) Serological markers of Hepatitis B.
 - (c) Type IV (4) hypersensitivity reactions.
 - (d) Endogenous pigmentation,
 - (e) Oral lesions in M.D.S. patients.
 - (f) Widal test.

SECTION – II (General Pathology)

- 4** Define Neoplasia. Differentiate between benign and malignant tumors. Modes of spread of tumors. **10**

OR

- 4** Write about principles of Medical Genetics with special emphasis on oral lesions. **10**

- 5** Answer : (any **two**) **2×5=10**
- (a) Ameloblastoma.
 - (b) Pleomorphic Adenoma.
 - (c) Dentigerous cyst.

- 6** Answer in brief : (any **five**) **3×5=15**
- (a) Morphology of Oral Squamous cell carcinoma.
 - (b) Risk factors of Atherosclerosis.
 - (c) Causes of secondary Hypertension.
 - (d) Define Anemia and give P/S findings of Megaloblastic anemia.
 - (e) Enumerate the factors involved in intrinsic pathway of coagulation.
 - (f) Never criteria for diagnosis of Type II Diabetes Mellitus.

SECTION – II (35 Marks)
(General Microbiology)

- 4 Define sterilization and disinfection. Classify the various agents used in sterilization and discuss the role of autoclave in sterilization. **10**

OR

- 4 Define and classify immunity. Discuss mechanisms of innate immunity. **10**

- 5 Answer : (any **two**) **10**

- (a) Toxin and enzymes of streptococcus pyogenes.
- (b) Pseudomonas aeruginosa.
- (c) Laboratory diagnosis of cholera.

- 6 Answer in brief : (any **five**) **15**

- (a) Diseases transmitted by blood and blood products.
- (b) Classification of fungus.
- (c) Pathogenesis of Human Immunodeficiency Virus. (HIV)
- (d) Hepatitis B virus markers.
- (e) Classify host.
- (f) Differences between amoebic and bacillary dysentery.
