



DBW-4819

Seat No. _____

Second Year B. D. S. Examination

July - 2022

General Pathology & Microbiology

Time : **3** Hours]

[Total Marks : **70**

- Instructions :** (1) Write answer of Section I & II in separate answer sheets.
(2) Draw neat diagram whenever necessary.
(3) Figure to the right indicate full marks.
(4) Write answer to the point. Irrelevant description reduces the value of answer.
(5) Attend all the questions.

SECTION - I (General Pathology)

- 1** Etiology and pathogenesis of atherosclerosis. **10**
- OR**
- 1** Define Inflammation. Describe chemical mediators for inflammation in detail. **10**
- 2** Answer in brief : (Any **Five**) **10**
- (a) Define necrosis and enumerate various type of necrosis.
 - (b) Difference between Transudate and Exudate
 - (c) Ghon's complex
 - (d) Factors affecting wound healing
 - (e) Define Metastasis & Enumerate route of metastasis.
 - (f) Squamous cell carcinoma of oral cavity
- 3** Write Short, notes : (Any **Five**) **15**
- (a) Blood & Bone marrow picture of iron deficiency anemia.
 - (b) Bleeding time & Clotting time.
 - (c) Leucocytosis and Leucopenia: definition and causes.
 - (d) Tissue fixatives
 - (e) Enumerate methods of estimation of Haemoglobin. Give principle of any one of them.
 - (f) Normal value of Prothrombin Time, Platelet Count & Fasting blood sugar.

SECTION-II (Microbiology)

- 4** Full question : **10**
Define Sterilization. Write the types of Sterilization. **2+3+5=10**
Write in detail about Sterilization by Dry Heat.
- OR**
- Define Morphology. Write about Structure of **2+3+5=10**
Bacterial cell wall. Write about function and method of
detection of bacterial cell wall.
- 5** Write short Notes : (Any **two**) **10**
(a) Coagulase Test.
(b) Laboratory Diagnosis of Malaria.
(c) Laboratory Diagnosis of Hepatitis B.
- 6** Write answer in short : (Any **Five**) **15**
(a) Define Serological Reaction. Enumerate Serological
reaction.
(b) Name 3 Blood borne viral infection.
(c) Name 3 Opportunistic Parasitic infection.
(d) Name 3 Selective Media.
(e) Name 3 Bacteria causing Diarrhoea.
(f) Define Antibody. Enumerate type of Antibody.
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