



PAN-4819

Seat No. _____

Second Year B. D. S. Examination

August - 2020

General Pathology & General Microbiology

Time : 3 Hours]

[Total Marks : 70

- Instructions :** (1) Write answer of each section in separate answer book.
(2) Draw neat and clean diagram whenever necessary.
(3) Figure to the right indicates full marks.
(4) Write legibly and to the point.

SECTION - 1

(General / Pathology)

- 1 Define necrosis. Enumerate types of necrosis. Give brief account of Coagulation necrosis. **10**

OR

Describe etiology and pathogenesis of atherosclerosis.

- 2 Answer in brief : (Any **Five**) **10**
(a) Write four differences between benign and malignant neoplasm.
(b) Enumerate four examples of epithelial cysts of jaws.
(c) Write four difference between dry and wet gangrene.
(d) Morphological features of osteoclastoma.
(e) Cloudy swelling.
(f) Enumerate routes of metastasis.

- 3 Writes notes : (Any **Five**) **15**
(a) Methods of estimation of hemoglobin.
(b) Leucocytosis and leucopenia: definition and causes.
(c) Bleeding time & clotting time.
(d) FNAC
(e) ESR
(f) Factors affecting wound healing.

SECTION - 2
(General / Microbiology)

- 4 Full question : **10**
Enumerate methods of sterilization by dry heat. Write the functioning of a hot air oven.
- OR**
- Describe the various classes of immunoglobulins, their properties and functions.
- 5 Answer : (Any **Two**) **10**
(a) Laboratory diagnosis of fungal infection.
(b) Type 2 hypersensitivity.
(c) Methods of cultivation of viruses
- 6 Answer in brief : (Any **Five**) **15**
(a) Name 3 RNA viruses and the diseases caused by them.
(b) Name 3 Toxins produced by staphylococcus aureus and the diseases caused by them.
(c) Transport media.
(d) Name 3 media used for culture and identification of salmonella.
(e) Write 3 differences between amoebic and bacillary dysentery.
(f) Name 3 bacteria causing urinary tract infection.
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