



J-4819

Seat No. _____

Second Year B. D. S. Examination

July - 2019

General Pathology & Microbiology

Time : 2 Hours]

[Total Marks : 35

- Instructions :**
- (1) Write each section in separate answer sheet.
 - (2) Write Section - I and Section - II in separate answer books.
 - (3) Figures to right side indicate Full Marks of the question.
 - (4) Draw neat and clean diagram wherever it is necessary.

SECTION - I (35 marks)

- 1 Define Inflammation. Describe in detail the types, cardinal signs and mediators of inflammation. **10**

OR

- 1 Define Shock. Enumerate the types of Shock. Describe the pathogenesis of Cardiogenic Shock. **10**

- 2 Write notes on : (any **two**) **5×2=10**
- (a) Modes of Metastasis
 - (b) Cell adaptations
 - (c) Pathological calcification.

- 3 Answer in short : (any **five**) **3×5=15**
- (a) Leukemia Vs Leukemoid reaction
 - (b) Causes of Proteinuria
 - (c) Tissue fixatives
 - (d) Investigations of Megaloblastic anemia
 - (e) FNAC
 - (f) Stains of Amyloidosis.

SECTION - II (35 marks)

4 Full questions : **10**

Define Sterilisation and Disinfection. Enumerate various methods of Sterilisation. Write in detail about sterilization by Dry Heat.

OR

Describe Pathogenicity and laboratory diagnosis of *Staphylococcus aureus*.

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

- (a) Manifestations of Type 1 Hypersensitivity reaction.
- (b) Candidiasis
- (c) Laboratory diagnosis of HIV infection.

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

- (a) Name three organisms normally present in oral cavity.
 - (b) Name three Selective media.
 - (c) Name three differences between Active and Passive immunity.
 - (d) Name three bacteria causing gastroenteritis and food poisoning.
 - (e) Write three differences between *P. vivax* and *P. falciparum*.
 - (f) Write three viral markers of Hepatitis B virus.
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