

Enrolment No.

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BDS

2<sup>nd</sup> Year Examination

General Pathology &amp; Microbiology

Time : 3 Hours]

NOTE: The question paper is divided into two sections A and B. Attempt all questions as per instructions. Draw diagram wherever necessary. Attempt section A and B in separate answer sheets. Attempt all parts of a question in ONE PLACE. [Max. Marks : 70]

## Section A (General Pathology)

1. Define inflammation and its cardinal signs. Discuss the vascular events of acute inflammation [07]
2. Write short notes on- [4x3=12]
  - (a) Define Neoplasia. Discuss the routes of metastasis in brief
  - (b) Disseminated Intravascular Coagulation
  - (c) Type I Hypersensitivity reaction
  - (d) Pathophysiology of Myocardial infarction
3. Tabulate differences between- [3x2=6]
  - (a) Pathologic and Metastatic calcification
  - (b) Transudate and exudate
4. Answer precisely [1x10=10]
  - (a) Enumerate the types of necrosis with one example
  - (b) Classify anemia on basis of morphology
  - (c) Blood picture of CML
  - (d) Fate of Thrombus
  - (e) Give two examples of Pathological and physiological atrophy
  - (f) Enumerate four complications of diabetes
  - (g) Clinical manifestations of Vitamin D deficiency
  - (h) Name two special stains for fat
  - (i) Enumerate the oral manifestations of AIDS
  - (j) Enumerate the components of Virchow's triad

## Section B (General Microbiology)

1. Describe modes of transmission, clinical manifestations & laboratory diagnosis of HIV. [2+3+5=10]
2. Write short notes on- [5x4=20]
  - (a) Laboratory diagnosis of malaria .
  - (b) Type IV Hypersensitivity reactions
  - (c) Laboratory diagnosis of Staphylococcal Infections .
  - (d) Anaerobic culture methods
  - (e) Aspergillosis
3. Write the differences between [2x2.5=5]
  - (a) Gram positive and Gram negative cell wall
  - (b) Amoebic and Bacillary dysentery

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