POST GRADUATE EXAMINATION, JUNE - 2023

MD PATHOLOGY
(PAPER ONE)

GENERAL & APPLIED PATHOLOGY

[Time allotted: Three hours]   **[Max Marks: 100]**

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss differential diagnosis of Granulomatous diseases and its diagnosis. Explain the pathogenesis of granuloma formation and its morphology.   **(20)**

Q. 2. Define transplant rejection. Describe pathogenesis, clinical features & morphological features of acute and chronic graft rejection.   **(20)**

Q. 3. **Describe briefly:**   **(3 x 10 = 30)**
  a. Effects of alcohol on body
  b. Metastatic cascade
  c. Disseminated intravascular coagulation

Q. 4. **Write short notes on:**   **(5 x 6 = 30)**
  a. Microfilaments
  b.   Lysosomal storage disease
  c. DNA microarray technique
  d. Septic Shock
  e. Opportunistic infections in AIDS

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POST GRADUATE EXAMINATION, JUNE – 2023
MD PATHOLOGY
(PAPER TWO)
SYSTEMIC PATHOLOGY, CLINICAL BIOCHEMISTRY & CLINICAL MICROBIOLOGY

[Time allotted: Three hours]   **[Max Marks: 100]**

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Classify Leukaemia. Describe the peripheral smear findings, bone marrow findings and special stains used in diagnosis. Add a note on cytogenetics of acute leukaemia. **(20)**

Q. 2. How will you interpret a nerve biopsy? **(20)**

Q. 3. **Describe briefly:** **(3 x 10 = 30)**
    a. Lung pathology in Covid -19 infection
    b. Intestinal carcinoid
    c. Lab diagnosis of Diabetes Mellitus

Q. 4. **Write short notes on:** **(5 x 6 = 30)**
    a. Endometrial dating
    b. Placental pathology in high risk pregnancy
    c. Classification of testicular tumors
    d. Molecular pathology of papillary thyroid carcinoma
    e. Paget's disease of breast

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POST GRADUATE EXAMINATION, JUNE – 2023

MD PATHOLOGY
(PAPER THREE)

HAEMATOLOGY, BLOOD BANKING, CYTOLOGY AND CLINICAL PATHOLOGY

[Time allotted: Three hours]   **[Max Marks: 100]**

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. How will you determine hemolytic nature of Anaemia? **(20)**

Q. 2. Discuss cytodiagnosis of salivary gland lesions and Milan system of reporting. **(20)**

Q. 3. **Describe briefly:** **(3 x 10 = 30)**

     a. Differential diagnosis of Psoarisiform dermatitis

     b. Premalignant lesions of colon

     c. Role of squash smears in CNS

Q. 4. **Write short notes on:** **(5 x 6 = 30)**

     a. Adverse effects of massive blood transfusion

     b. G6PD estimation and its clinical importance

     c. Lazy leukocyte syndrome

     d. Massive proteinuria

     e. Amniocentesis

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POST GRADUATE EXAMINATION, JUNE - 2023

MD PATHOLOGY
(PAPER FOUR)
RECENT ADVANCES & THEIR CLINICAL APPLICATIONS

[Time allotted: Three hours]   **[Max Marks: 100]**

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss Stromal breast lesions.   **(20)**

Q. 2. Discuss laboratory and molecular diagnosis of lung tumors.   **(20)**

Q. 3. **Describe briefly:**   **(3 x 10 = 30)**

    a. Non-neoplastic disorders of thyroid

    b. Lab diagnosis of arthritis

    c. Use of recent immune-markers in interpretation of prostate biopsy

Q. 4. **Write short notes on:**   **(5 x 6 = 30)**

    a. Ceroid histiocytosis

    b. Demyelinating disorders

    c. Stem cell harvesting

    d. Assisted reproduction techniques

    e. Chorangioma

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