Paper ID- 131

POST GRADUATE EXAMINATION, APRIL/MAY-2022

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 mechanism of cell Injury. **(20)**

Q. 2. Discuss cytogenetic disorders involving sex chromosomes. **(20)**

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

a. Transplant Rejection

b. Cells and Mediators of Chronic Inflammation

c. Role of p53 oncogene in carcinogenesis

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

a. Paraneoplastic Syndromes

b. Kaposi Sarcoma

c. Lysosomal Storage Disease

d. Repurfusion injury

e. Cytokines

X

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POST GRADUATE EXAMINATION, APRIL/MAY-2022

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. Discuss etiopathogenesis and clinical aspects of Rheumatic Heart Disease. **(20)**

Q. 2. Discuss classification and pathogenesis of Cystic diseases of Kidney. **(20)**

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

a. Hyperthyroidism

b. Gestational Trophoblastic Disease

c. Essential Hypertension

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

a. COVID-19 virus detection

b. Mycosis fungoides

c. Interstitial pneumonia

d. Thromboangiitis obliterans

e. Phyllodes tumor

X

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POST GRADUATE EXAMINATION, APRIL/MAY-2022

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. Discuss Multiple Myeloma and its Lab. evaluation. **(20)**

Q. 2. Discuss role of FNA cytology in diagnosing solitary Thyroid nodule. **(20)**

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

- **a.** Cytodiagnosis of benign breast lesions
- **b.** Lab. diagnosis of Megaloblastic anemia
- **c.** Sickle cell disease

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

- **a.** Polycythemia vera
- **b.** Workup of acute transfusion reaction
- **c.** Semen analysis
- **d.** Familial endocrine syndromes
- **e.** Liquid-based cytology for Cervical screening

X

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POST GRADUATE EXAMINATION, APRIL/MAY-2022

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 etio-pathogenesis of Cardiomyopathies. **(20)**

Q. 2. Discuss diagnostic methods for detection of SARS-Cov-2. **(20)**

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

a. Bethesda reporting system for Thyroid cytology.

b. Targeted therapy in oncology.

c. Role of biopsy in interpreting non-neoplastic Liver disease

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

a. Update in pathology of chronic IBD.

b. Microsatellite instability

c. Immunophenotyping in ALL

d. Role of stem cells in hematological diseases

e. Demylination disorders

X