

POST GRADUATE EXAMINATION, MAY - 2018

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 and general features of autoimmune diseases. What is immunological tolerance? (20)
- Q. 2. Discuss the concept of carcinogens. Enumerate various types of carcinogenesis. Discuss in detail the mechanism of chemical carcinogenesis. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. Mechanism of angiogenesis
 - b. Natural history of HIV infection
 - c. Oxidative stress
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. Metaplasia and its mechanism
 - b. Cytokines
 - c. Sperm motility
 - d. Xenobiotic metabolism
 - e. Klinefelter syndrome

X

POST GRADUATE EXAMINATION, MAY - 2018

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 vascular tumour and tumour like conditions with a brief description of vascular tumours present in immunocompromised patients. (20)
- Q. 2.** Describe in detail the diagnostic approach in a case of malabsorption syndrome. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Lymphoproliferative conditions of skin
 - b. Role of myocardial biopsy in diagnosis of cardiomyopathy
 - c. Role of IHC in diagnosis of spindle cell sarcoma
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Molecular testing for HPV
 - b. Familial brain tumour syndromes
 - c. Endometrial carcinoma – its variants and prognosis
 - d. Primary biliary cirrhosis
 - e. Autoimmune diseases of thyroid – diagnostic approach

X

POST GRADUATE EXAMINATION, MAY - 2018

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 the laboratory diagnosis of a suspected case of hemolytic anemia. (20)
- Q. 2. Discuss cyto-diagnosis of salivary gland lesions. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- Role of FNA in diagnosis of thyroiditis
 - Multiple myeloma
 - DIC
- Q. 4. Write short notes on: (5 x 6 = 30)
- Kaposi sarcoma
 - NAT and its clinical application
 - Voluntary blood donor screening
 - CSF analysis
 - QC in manufacture of blood components

X

POST GRADUATE EXAMINATION, MAY - 2018

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 briefly about the indications and limitations of cryo-sectioning. (20)
- Q. 2. Discuss diagnostic approach in peripherally located lung tumours. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. Update in pathology of chronic IBD
 - b. Folic acid and health with special reference to homocysteine
 - c. Non epithelial salivary gland tumours
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. Role of microsatellite instability in neoplasia
 - b. Minimal residual disease in acute leukemia
 - c. Main categories of targeted therapies and their examples
 - d. Epithelial cell plasticity and wound healing
 - e. Minimally invasive autopsy

X