Paper ID- 131

POST GRADUATE EXAMINATION, JUNE - 2021

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 in brief the cells and mediators involved in chronic Inflammation. **(20)**

Q. 2. Discuss mechanisms of tumor invasion. How tumor cells invade and metastasize? **(20)**

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

a. Obesity and related diseases

b. Radiation Carcinogenesis

c. Lipid storage disorders

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

a. Pathogenesis of septic shock

b. Cytogenetic Disorders Involving Sex Chromosomes

c. IgG4-Related Disease

d. Types of histochemical stains for mucins and their uses

e. Principles of Electron Microscopy

X

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POST GRADUATE EXAMINATION, JUNE - 2021

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, morphology and complications of peptic ulcer. **(20)**

Q. 2. Discuss etiology, pathogenesis and morphology of Rheumatic heart disease. **(20)**

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

a. Coal workers disease

b. Diabetic complications

c. Serological markers in Hepatitis

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

a. Pathogenesis of bullous diseases of skin

b. Prognostic markers in carcinoma breast

c. Lipid profile

d. Sterilization techniques

e. Astrocytic tumors of brain

X

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POST GRADUATE EXAMINATION, JUNE - 2021

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 laboratory investigations in case of bleeding disorders. **(20)**

Q. 2. Discuss cytology of Salivary gland tumors. **(20)**

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

a. Cryoprecipitate

b. Umbilical cord blood banking

c. Current concepts in pathogenesis of atherosclerosis

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

a. Casts in urine

b. Squash smear in CNS tumors

c. QC in haematology

d. Blood substitutes

e. Cellular changes after radiotherapy

X

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POST GRADUATE EXAMINATION, JUNE - 2021

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 role of genetics in endometrial carcinoma. **(20)**

Q. 2. Discuss recent changes in classification of Glial tumours **(20)**

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

a. Role of cytogenetics in classification of acute leukemias

b. Pathogenesis of glomerular diseases

c. Quality control and medical audit

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

a. Liquid Biopsy

b. Virtual microscopy

c. Nested PCR

d. Pathobiology of Inflammatory bowel disease

e. Nucleic acid test in blood banks

X