

POST GRADUATE EXAMINATION, JANUARY-2025

MD PATHOLOGY (PAPER ONE)

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss vascular & cellular events in inflammation including receptors. (20)

Q. 2. Discuss tumor immunity. (20)

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

- a. Metastasis
- b. Classify shock and discuss septic shock
- c. Pathogenesis , classification and stains of amyloid

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

- a. Erythrocyte sedimentation rate
- b. Cardiac function tests
- c. Oxidative stress
- d. Familial hypercholesterolemia
- e. Protein energy malnutrition

X

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**MD PATHOLOGY
(PAPER TWO)**

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss Chronic gastritis and its complications. (20)

Q. 2. Classify and discuss Vasculitis. (20)

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

- a. Polycystic kidney disease
- b. Pathogenesis and morphology of endometrial carcinoma.
- c. Pathogenesis of diabetes mellitus.

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

- a. Primary biliary cirrhosis
- b. RT PCR for COVID detection
- c. Prognostic and predictive factors of breast carcinoma
- d. Osteitis deformans
- e. Medulloblastoma

X

POST GRADUATE EXAMINATION, JANUARY-2025**MD PATHOLOGY
(PAPER THREE)****[Time allotted: Three hours]****[Max Marks: 100]**

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss Bethesda system of reporting thyroid cytopathology. (20)

Q. 2. Enumerate red cell enzyme deficiencies and describe variants, clinical features and diagnosis of G6PD deficiency. (20)

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

- a. Molecules basis of Thalassemia and its lab diagnosis.
- b. Myelodysplastic syndrome
- c. Work up of Acute transfusion reactions

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

- a. RS cells
- b. Liquid based cytology
- c. Microalbuminuria
- d. National Blood Policy
- e. Testicular cytology

X

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MD PATHOLOGY (PAPER FOUR)

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss recent concepts in classification of breast carcinoma. (20)

Q. 2. Describe harvest and processing of haemopoietic stem cell product through Apheresis. (20)

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

- a. Role of stem cells in wound healing.
- b. Role of IHC in classification of Non small cell lung carcinoma.
- c. Molecular classification of Astrocytic tumors

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

- a. Minimal invasive autopsy
- b. Microsatellite instability in neoplasia.
- c. Nested PCR
- d. Heritable gastric cancer syndromes
- e. Antiphospholipid syndrome

X