

POST GRADUATE EXAMINATION, APRIL/MAY-2022

**MD GENERAL MEDICINE
(PAPER ONE)**

BASIC SCIENCES IN GENERAL MEDICINE

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Describe the approach to high insulin requirement with special reference to insulin resistance. (20)
- Q. 2.** Discuss the pathogenesis, clinical features, investigations and immediate and long-term management of heart failure with preserved ejection fraction. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Geriatric giants
 - b. Medical disorders in pregnancy
 - c. Cytokine storm
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Anticoagulants in COVID
 - b. Non-HDL cholesterol
 - c. Drug-induced diseases
 - d. Hyperpigmentation in clinical medicine
 - e. Screening of autoimmune diseases

X

POST GRADUATE EXAMINATION, APRIL/MAY-2022

**MD GENERAL MEDICINE
(PAPER TWO)**

PRACTICE OF MEDICINE (HEMATOLOGY, ONCOLOGY, NEPHROLOGY, ENDOCRINOLOGY & METABOLISM, INFECTIOUS DISEASES, GASTROINTESTINAL & HEPATOBILIARY SYSTEM, CRITICAL CARE MEDICINE)

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Discuss anti-tuberculous therapy in hepatic and renal failure (20)
- Q. 2.** Describe the etio-pathogenesis, clinical features, diagnosis and treatment of acute chronic liver failure. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Metabolic Syndrome
 - b. Oncologic emergencies
 - c. Pulmonary thrombo-embolism
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Gut microbiota
 - b. Ketogenic diet
 - c. Adult immunization
 - d. Precision medicine
 - e. Assessment of myocardial viability

X

POST GRADUATE EXAMINATION, APRIL/MAY-2022

**MD GENERAL MEDICINE
(PAPER THREE)**

PRACTICE OF MEDICINE (RHEUMATOLOGY, RESPIRATORY SYSTEM, CARDIOVASCULAR DISORDERS, NEUROLOGIC DISORDERS, PSYCHIATRIC DISORDERS, GENETICS AND REGENERATIVE MEDICINE)

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Discuss sudden cardiac death with special reference to the etiologies and prevention. **(20)**
- Q. 2.** Discuss the etiology, pathophysiology, clinical features, investigations and management of lower motor neuron quadriplegia. **(20)**
- Q. 3. Describe briefly:** **(3 x 10 = 30)**
- a. Contrast induced nephropathy
 - b. Electroconvulsive therapy
 - c. Febrile thrombocytopenia in the tropics
- Q. 4. Write short notes on:** **(5 x 6 = 30)**
- a. Chronic euvolemic hyponatremia
 - b. Genome editing
 - c. Diagnosis of atypical pneumonias
 - d. Posterior reversible encephalopathy syndrome
 - e. Adult onset Still's disease

X

POST GRADUATE EXAMINATION, APRIL/MAY-2022

MD GENERAL MEDICINE

(PAPER FOUR)

RECENT ADVANCES IN GENERAL MEDICINE

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss the diagnosis and management of rheumatologic emergencies **(20)**

Q. 2. Discuss the classification, pathophysiology and management of hypertension in pregnancy **(20)**

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

- a. Risk factors and prevention of kidney diseases
- b. Rapidly progressive renal failure
- c. Indications and complications of total parenteral nutrition

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

- a. Role of PET in pyrexia of unknown origin
- b. Myositis specific autoantibodies
- c. ACE inhibition in COVID era
- d. Immuno-modulators in pregnancy and lactation
- e. Artificial intelligence in healthcare

X