

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

[MD 0524]

MAY 2024

Sub. Code: 4004

M.D. DEGREE EXAMINATION

BRANCH I – GENERAL MEDICINE

PAPER IV – RECENT ADVANCES IN MEDICINE

Q.P. Code: 204004

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Elaborate on the etiopathogenesis, management and complications of sinusoidal portal hypertension with recent advances in management of portal hypertension.
2. Enumerate the bone marrow failure syndromes. Describe briefly the salient etiopathogenesis, clinical features and management including recent advances in diagnostic modalities and therapeutics.

II. Write notes on:

(10 x 7 = 70)

1. Metabolic dysfunction associated steatotic liver disease.
2. Novel Oral anticoagulants in chronic Kidney disease.
3. Deep brain stimulation.
4. Incessant Ventricular Tachycardia.
5. Posterior Reversible Encephalopathy Syndrome.
6. Sudden cardiac death.
7. Urinary markers in evaluation of liver diseases.
8. Endoscopic ultrasound.
9. Transplant rejection.
10. Management of hypertriglyceridemia.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

[MD 1224]

**DECEMBER 2024
(OCTOBER 2024 EXAM SESSION)**

Sub. Code: 4004

M.D. DEGREE EXAMINATION

GENERAL MEDICINE

**PAPER IV – RECENT ADVANCES IN MEDICINE APPLIED BASIC SCIENCES
IN GENERAL MEDICINE**

Q.P. Code: 204004

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Enumerate the functional bowel disorders. Describe the diagnostic criteria, pathophysiology and recent advances in treatment of IBS.
2. Recent Advances in management of ACS.

II. Write notes on:

(10 x 7 = 70)

1. Role of Trace Elements in Health and Nutrition.
2. Tissue Engineering.
3. Radiation injury.
4. Renal Transplant.
5. Management of Obesity.
6. Newer oral anti diabetic drugs.
7. Adult diphtheria infection.
8. Epigenetic Inheritance Disorders.
9. Oxygen therapies.
10. Biomarkers in medicine.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

[MD 0525]

MAY 2025

Sub. Code: 4004

M.D. DEGREE EXAMINATION

GENERAL MEDICINE

**PAPER IV – RECENT ADVANCES IN MEDICINE APPLIED BASIC SCIENCES
IN GENERAL MEDICINE**

Q.P. Code: 204004

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Classification of seizures, age wise Causes, investigations of Seizures. Medical and surgical management of Refractory seizures.
2. Discuss in detail about Ventilator associated pneumonia. Indications of mechanical ventilation, troubleshooting and weaning from a ventilator.

II. Write notes on:

(10 x 7 = 70)

1. Calciphylaxis.
2. Chronotherapy.
3. Lasmiditan.
4. Indications of CABG.
5. Teriparatide.
6. Statin induced myopathy.
7. Obesity and cancer.
8. Bronchial thermoplasty.
9. Dumping syndrome.
10. Role of zinc in human physiology, its deficiency and recent advances in zinc therapy.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[MD 1025]

OCTOBER 2025

Sub. Code: 4004

M.D. DEGREE EXAMINATION

GENERAL MEDICINE

PAPER IV – RECENT ADVANCES IN MEDICINE

Q.P. Code: 204004

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the epidemiology, risk factors, etiology, clinical features, lab investigations and treatment of Metabolic syndrome.
2. Clinical features, pathology, diagnosis and treatment including recent advances in management of Rheumatoid arthritis.

II. Write notes on:

(10 x 7 = 70)

1. Hepatitis C nephropathy.
2. Acute infective thyroiditis.
3. Catheter ablation therapy.
4. Pregnancy and Myocardial Infarction.
5. Vitamin D toxicity.
6. Protein folding disorders.
7. GLP 1 Agonists.
8. Electronic cigarettes.
9. Stem cell therapy in neurology.
10. Magnetic resonance elastography.
