

March-2007

[KQ 106]

Sub. Code : 2004

II. Short notes :

(6 × 5 = 30)

M.D. DEGREE EXAMINATION.

Branch I — General Medicine

(For Candidates admitted from 2004–05 onwards)

Paper IV — MEDICINE INCLUDING CHILDREN'S
DISEASES AND RECENT ADVANCES

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay questions :

(1) Discuss the recent advances in the
management of Acute Coronary syndrome. (20)

(2) Discuss the evolving trends in the
management of COPD. (15)

(3) Classify Lipidosis. Discuss the
Aetiopathogenesis, clinical features and management of
Nieman pick disease. (15)

(a) Reye's syndrome

(b) Vertigo

(c) β Thalassemia

(d) Metabolic alkalosis

(e) Septic shock

(f) Histoplasmosis.

September-2007

[KR 106]

Sub. Code : 2004

M.D. DEGREE EXAMINATION.

Branch I — General Medicine

MEDICINE INCLUDING CHILDREN'S DISEASES
AND RECENT ADVANCES

Part II — Paper III — (Old/New/Revised Regulations)

(Candidates admitted from 2004-05 onwards)

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

(1) Discuss the pathophysiology, Haematological clinical manifestations and management of Myelodysplastic syndrome. (20)

(2) Discuss the pathogenesis clinical features diagnosis and treatment of Nosocomial pneumonia. (15)

(3) Discuss the etiology pathogenesis clinical features diagnostic evaluation and treatment of Hypofunction of Adrenal cortex. (15)

II. Write short notes on : (6 × 5 = 30)

(a) Attention deficit/hyperactivity disorder (ADHD)

(b) Leukotrine modifiers

(c) Interstitial Nephritis

(d) Management of Thyroid dysfunction in pregnancy.

(e) Renal tubular acidosis.

(f) Cutaneous markers of Diabetes Mellitus.

MARCH 2008

[KS 106]

Sub. Code : 2004

M.D. DEGREE EXAMINATION.

Branch I — General Medicine

MEDICINE INCLUDING CHILDREN'S DISEASES AND RECENT
ADVANCES

Part II — Paper III — (Old/New/Revised Regulations)

(Candidates admitted from 2004—05 onwards)

Q.P. Code: 202004

Time : Three hours

Maximum : 100 marks

Draw suitable diagrams wherever necessary.

Answer ALL questions.

- I. Essay : (2 × 20=40)
1. Describe clinical features, diagnosis and management of barbiturate poisoning.
 2. Discuss aetiology, pathophysiology, clinical features, complications and management of pericardial effusion.
- II. Write Short notes on : (10 × 6 = 60)
1. Radiation injury.
 2. Bone marrow transplantation.
 3. Lead poisoning.
 4. Breast feeding.
 5. Down's syndrome.
 6. Kwashiorkor.
 7. Dwarfism.
 8. Wilson's Disease.
 9. Brucellosis.
 10. Pyrexia of unknown origin.
-

September 2008

[KT 106]

Sub. Code: 2004

M.D. DEGREE EXAMINATION

BRANCH I –GENERAL MEDICINE

**Paper IV - MEDICINE INCLUDING CHILDREN'S
DISEASES & RECENT ADVANCES**

(Candidates admitted from 2004-05 onwards)

Q.P. Code : 202004

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Stem cell transplant in clinical practice.
2. Discuss the etiology, pathogenesis, course of the disease, laboratory data, diagnosis, treatment, and complications of acute pancreatitis.

II. Write short notes on :

(10 X 6 = 60)

1. Ventricular assist device.
 2. SPECT.
 3. Neoplastic Meningitis.
 4. Swan-Ganz catheter.
 5. Reentrant arrhythmias.
 6. Tissue Engineering.
 7. Familial Mediterranean Fever.
 8. Secondary Vasculitis Syndromes.
 9. Enteropathic Arthritis.
 10. Lysosomal Storage Diseases.
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March 2009

[KU 106]

Sub. Code: 2004

M.D. DEGREE EXAMINATIONS
BRANCH I – GENERAL MEDICINE
(For candidates admitted from 2004-2005 to 2007-2008)
Paper IV - MEDICINE INCLUDING CHILDREN'S
DISEASES & RECENT ADVANCES
Q.P. Code : 202004

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions : (2 x 20 = 40)

1. Describe the clinical features, diagnosis and management of organophosphorus poisoning.
2. Discuss the aetiology, pathophysiology, clinical features and management of pleural effusion.

II. Write short notes on : (10 x 6 = 60)

1. Cretinism.
2. Arsenic poisoning.
3. Renal transplantation.
4. Near- Drowning.
5. Febrile seizures.
6. Hyaline membrane disease.
7. Haemochromatosis.
8. Typhus fevers.
9. Indian childhood cirrhosis.
10. Klinefelter's syndrome.

September 2009

[KV 106]

Sub. Code: 2004

M.D. DEGREE EXAMINATIONS
BRANCH I – GENERAL MEDICINE
(For candidates admitted from 2004-2005 to 2007-2008)
Paper IV - MEDICINE INCLUDING CHILDREN'S
DISEASES & RECENT ADVANCES

Q.P. Code : 202004

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 x 20 = 40)

1. Discuss pathology, clinical manifestations, diagnosis and management of amyloidosis.
2. Discuss pathophysiology, aetiology, clinical features, diagnosis and management of aortic stenosis.

II. Write short notes on :

(10 x 6 = 60)

1. Temporal lobe epilepsy
2. Renal transplantation.
3. Primary complex
4. Universal Immunization
5. Arsenic poisoning.
6. Steven – Johnson syndrome
7. Marasmus
8. Magnesium deficiency
9. Diphtheria
10. Food poisoning

March 2010

[KW 106]

Sub. Code: 2004

M.D. DEGREE EXAMINATION

Branch I – GENERAL MEDICINE

**MEDICINE INCLUDING CHILDREN'S DISEASES &
RECENT ADVANCES**

**Paper IV – (for candidates admitted from 2004-2005 to 2007-2008)
and**

Part II – Paper III (for candidates admitted from 2008-2009 onwards)

Q.P. Code : 202004

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 x 20 = 40)

1. Discuss the clinical features, diagnosis and management of organophosphorous compound poisoning.
2. Discuss about Acid-base disorders.

II. Write short notes on :

(10 x 6 = 60)

1. Drug eluting stents.
2. Dual energy x-ray scan.
3. Ankylosing spondylitis.
4. Bonemarrow failure.
5. Diagnostic criteria for multiple sclerosis.
6. Diabetes insipidus.
7. Cerebral palsy.
8. Klinefelter's syndrome.
9. Infliximab.
10. Trinucleotide repeat disorders.

September 2010

[KX 106]

Sub. Code: 2004

M.D. DEGREE EXAMINATIONS

BRANCH I –GENERAL MEDICINE

**MEDICINE INCLUDING CHILDREN'S DISEASES & RECENT
ADVANCES**

**Paper IV - (For candidates admitted from 2004-2005 to 2007-2008) and
Part II - Paper III – (for candidates admitted from 2008-09 onwards)**

Q.P. Code : 202004

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Discuss the clinical features, pathophysiology, diagnosis and management of acute myeloid leukemia.
2. Discuss etiology, pathophysiology, clinical features, diagnosis and management of Constrictive pericarditis.

II. Write short notes on :

(10 X 6 = 60)

1. Role of trace elements in Nutrition and Health.
2. Extra pulmonary manifestations of Sarcoidosis.
3. Whooping cough.
4. Cerebral palsy.
5. Interventional management of coronary artery disease.
6. Protein calorie malnutrition.
7. Evaluation of Haematuria.
8. Islet cell transplantation.
9. Neuroblastoma.
10. Flourosis.

MAY 2011

[KY 106]

Sub. Code: 2004

M.D. DEGREE EXAMINATION

BRANCH I – GENERAL MEDICINE

MEDICINE INCLUDING CHILDREN'S DISEASES & RECENT ADVANCES

Q.P. Code : 202004

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

1. Enumerate the common Childhood Poisons and discuss the Clinical features, Complications and Management of Copper Sulphate Poison.

**Pages Time Marks
(Max.) (Max.) (Max.)**

11 35 15

2. Discuss the various palliative medical care services in terminally ill patients.

11 35 15

II. Write notes on :

1. Pediatric advanced life support.

4 10 7

2. Reye's syndrome.

4 10 7

3. Complications of Tuberculous Meningitis.

4 10 7

4. Restless leg syndrome.

4 10 7

5. Obesity.

4 10 7

6. Renal tubular acidosis.

4 10 7

7. POEMS syndrome.

4 10 7

8. Newer therapy for Heart Failure.

4 10 7

9. Febrile fits.

4 10 7

10. Cutaneous Drug reaction.

4 10 7

October 2011

[KZ 106]

Sub. Code: 2004

M.D. DEGREE EXAMINATION
BRANCH I –GENERAL MEDICINE
MEDICINE INCLUDING CHILDREN’S DISEASES
AND RECENT ADVANCES

Q.P. Code : 202004

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages Time Marks
(Max.) (Max.) (Max.)

- | | | | |
|---|----|----|----|
| 1. Discuss the etiopathogenesis, clinical features, investigations and management of Akinetic rigid syndrome. | 11 | 35 | 15 |
| 2. Discuss the epidemiology, clinical features of hepatatis. Discuss the complications and current current concepts in management of hepatitis. | 11 | 35 | 15 |

II. Write notes on :

- | | | | |
|--|---|----|---|
| 1. Modified criteria of infective endocarditis. | 4 | 10 | 7 |
| 2. Preventive strategies of ventilator associated pneumonia. | 4 | 10 | 7 |
| 3. Haematological consequences of nephritic syndrome. | 4 | 10 | 7 |
| 4. Achlorhydria. | 4 | 10 | 7 |
| 5. Donor nephrectomy. | 4 | 10 | 7 |
| 6. Delayed puberty. | 4 | 10 | 7 |
| 7. Metabolic disorders - neonatal screening. | 4 | 10 | 7 |
| 8. Infantile tremor syndrome. | 4 | 10 | 7 |
| 9. Myotonic disorders. | 4 | 10 | 7 |
| 10. Leprea reactions. | 4 | 10 | 7 |

APRIL 2012

[LA 106]

Sub. Code: 2004

**M.D. DEGREE EXAMINATION
BRANCH I –GENERAL MEDICINE
MEDICINE INCLUDING CHILDREN'S DISEASES & RECENT ADVANCES
Q.P. Code : 202004**

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Discuss in detail the etiopathogenesis clinical features, investigation and management of Toxoplasmosis.	16	35	15
2. Discuss the etiopathogenesis clinical features, investigation and management of Iron deficiency anemia.	16	35	15

II. Write notes on :

1. Circulation of CSF. Add a note on Normal pressure Hydrocephalus.	4	10	7
2. Enumerate the causes of Atrial Fibrillation, with a note on Paroxysmal Atrial Fibrillation.	4	10	7
3. Pathological changes in osteoarthritis. Note on young onset OA.	4	10	7
4. Classify Polycythemia with causes of High Hemoglobin.	4	10	7
5. Classify Portal Hypertension. Enumerate the causes of Extra hepatic portal Hypertension.	4	10	7
6. Classify chronic Gastritis. Note on treatment of H.pylori Infection.	4	10	7
7. Causes and management of recurrent spontaneous Pneumothorax.	4	10	7
8. Enumerate the problems with Hemodialysis. Note on Intermittent Hemodialysis	4	10	7
9. Causes and diagnosis of SIADH.	4	10	7
10. Side effects of ART drugs, note on HAART.	4	10	7

[LB 106]

OCTOBER 2012

Sub. Code: 2004

M.D. DEGREE EXAMINATION
BRANCH I –GENERAL MEDICINE

MEDICINE INCLUDING CHILDREN'S DISEASES & RECENT ADVANCES

Q.P. Code : 202004

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages Time Marks
(Max.) (Max.) (Max.)

- | | | | |
|--|----|----|----|
| 1. Discuss the Pathophysiology, clinical features, investigations and management of Guillian Barrie syndrome(GBS). | 16 | 35 | 15 |
| 2. Discuss the etiopathogenesis, clinical features, investigation and management of NHL | 16 | 35 | 15 |

II. Write notes on

- | | | | |
|---|---|----|---|
| 1. Adverse factors in Acute Pancreatitis. Discuss Auto immune Pancreatitis. | 4 | 10 | 7 |
| 2. Radiological presentation and clinical classification of Bronchogenic carcinoma. | 4 | 10 | 7 |
| 3. ECG and Potassium-significance. | 4 | 10 | 7 |
| 4. Enumerate the causes of secondary hyperlipidemia. | 4 | 10 | 7 |
| 5. Indications and contra indications of Renal Biopsy. | 4 | 10 | 7 |
| 6. Enumerate the therapeutic procedures of Recurrent Arrhythmia. Add a note on Catheter Ablation. | 4 | 10 | 7 |
| 7. Discuss the features and management of "Thyroid Storm". | 4 | 10 | 7 |
| 8. Causes of Delayed Puberty with relevant investigation. | 4 | 10 | 7 |
| 9. Classify opportunistic mycobacteria and the disease in humans. | 4 | 10 | 7 |
| 10. Spiral CT. | 4 | 10 | 7 |

(LC 106)

APRIL 2013

Sub. Code: 2004

M.D. DEGREE EXAMINATION

BRANCH I –GENERAL MEDICINE

**MEDICINE INCLUDING CHILDREN'S DISEASES & RECENT
ADVANCES**

Q.P. Code: 202004

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Enumerate the various Vasculitis syndromes and discuss the clinical features and management of Polyarteritis Nodosa.
2. Discuss in detail the evaluation and Management of a 25 yrs old male patient brought unconscious to the Emergency Room.

II. Write notes on:

(10X7=70)

1. Clinical features and treatment of Attention Deficit Hyperactivity disorder
2. Etiopathogenesis and management of Type – I Diabetes mellitus
3. Causes and clinical features of Dyslexia
4. Causes and diagnosis of Brain Death
5. Types and usefulness of Tissue Engineering
6. Name the Biomarkers of Internal malignancies and mention their importance
7. List the various Adolescent Health problems and describe the management
8. Merits and De-merits of Newer oral anti – Diabetic drugs
9. Concepts and components of Hospice care
10. Complications and management of Febrile fits

[LD 106]

OCTOBER 2013

Sub. Code: 2004

M.D. DEGREE EXAMINATION

BRANCH I – GENERAL MEDICINE

MEDICINE INCLUDING CHILDREN'S DISEASES & RECENT ADVANCES

Q.P. Code: 202004

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2 x 15 = 30)

1. Enumerate the causes of Seizures in Children - Discuss Aetiopathology and Clinical features of Complex Partial Seizures.
2. Enumerate clinical conditions requiring mechanical ventilation. Mention the types of Invasive and Non Invasive ventilator support. Discuss general considerations of management of ventilated patient.

II. Write notes on:

(10 x 7 = 70)

1. Diarrhoeal disease in children
2. Immunisation schedule
3. Hyaline membrane disease
4. Hirsutism
5. Management of chronic pain
6. Congenital hypothyroidism
7. Hyponatremia
8. Scorpion Sting
9. Euthanasia
10. Irritable bowel syndrome

[LE 106]

APRIL 2014

Sub. Code: 2004

M.D. DEGREE EXAMINATION
BRANCH I –GENERAL MEDICINE
MEDICINE INCLUDING CHILDREN’S DISEASES &
RECENT ADVANCES

Q.P. Code :202004

Time : Three Hours

Maximum : 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss the aetiology, evaluation and management of Dwarfism.
2. Discuss the aetiology, clinical features and management of hyponatremia.

II. Write notes on:

(10X7=70)

1. Biologic DMARDS.
2. Diagnosis and management of CMV retinitis.
3. Waldenstrom’s macroglobulinemia.
4. Tuberous sclerosis.
5. Evaluation of UTI in children.
6. Obesity in children.
7. Immunization in children.
8. Bone densitometry.
9. Restless leg syndrome.
10. Diagnosis and management of Wilm’s tumour.

[LG 106]

APRIL 2015

Sub. Code: 2004

M.D. DEGREE EXAMINATION
BRANCH I – GENERAL MEDICINE
PAPER IV – MEDICINE INCLUDING CHILDREN’S DISEASES
AND RECENT ADVANCES

Q.P. Code : 202004

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the pathogenesis, clinical features, lab diagnosis, management and complications of Grave’s disease.
2. Discuss the aetiopathogenesis, clinical manifestations, lab diagnosis, management and complications of acute pancreatitis.

II. Write notes on:

(10 x 7 = 70)

1. Viral gastroenteritis in paediatrics
2. Drugs and breast feeding.
3. Henoch Schonlein purpura.
4. Ascariasis.
5. Management of thyroid dysfunction during pregnancy.
6. Discuss briefly the post renal transplant management.
7. Tafenoquine.
8. Pleiotropic effects of Statins and the latest controversies associated with its use.
9. CT imaging in cardiology.
10. Recent advancements in the management of heart failure.

[LH 106]

OCTOBER 2015

Sub. Code: 2004

M.D. DEGREE EXAMINATION

BRANCH I – GENERAL MEDICINE

PAPER IV – MEDICINE INCLUDING CHILDREN'S DISEASES
AND RECENT ADVANCES

Q.P. Code: 202004

Time: Three Hours

Maximum: 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the causes, clinical features, laboratory diagnosis of metabolic acidosis in an infant.
2. Discuss approach to acute poisoning and management at tertiary care hospital.

II. Write notes on:

(10 x 7 = 70)

1. Immune thrombocytopenic purpura in children.
2. Brain death.
3. Breaking bad news of Myocardial infarction to family of 30 year old male.
4. Diabetic ketoacidosis in children.
5. Continuous positive airway pressure.
6. Severe acute malnutrition (SAM) in children.
7. Evaluation of hematuria in a child.
8. Pneumococcal vaccines.
9. Newer anti retroviral drugs.
10. Ebola virus.

[LI 106]

APRIL 2016

Sub. Code: 2004

M.D. DEGREE EXAMINATION
BRANCH I – GENERAL MEDICINE
PAPER IV – MEDICINE INCLUDING CHILDREN’S DISEASES AND
RECENT ADVANCES

Q.P. Code :202004

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Classify dengue fever and discuss the clinical features and management of severe dengue in a child.
2. Discuss criteria for brain death and analyse the factors in organ harvesting.

II. Write notes on:

(10 x 7 = 70)

1. Growth and development milestones of one year old infant.
2. How to obtain consent for intubation in a snake bite victim?
3. Evaluation of wheeze in a child.
4. Obstructive sleep apnoea.
5. Knock knees in children.
6. New concepts in cardiac failure.
7. Discuss the management of anaemia in a 11 year old female child.
8. Febrile seizures.
9. Vitamin D resistant osteomalacia.
10. Heart lung transplant.

M.D. DEGREE EXAMINATION
BRANCH I – GENERAL MEDICINE
PAPER IV – MEDICINE INCLUDING CHILDREN’S DISEASES AND
RECENT ADVANCES

Q.P. Code :202004

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss in detail about acute myeloid leukemia.
2. Define Diabetes mellitus. Classification of Diabetes mellitus. Discuss in detail about manifestations, diagnosis, treatment of Diabetic Ketoacidosis.

II. Write notes on:

(10 x 7 = 70)

1. Wilson’s disease.
2. Cluster headache.
3. Small vessel stroke (Lacunar infarction).
4. Hemolytic uremic syndrome.
5. Paracetamol poisoning.
6. IgA nephropathy.
7. Hypovolemic shock in pediatric age group.
8. Von Willebrand disease.
9. Beta thalassemia.
10. Hypercalcemia due to malignancy.

M.D. DEGREE EXAMINATION
BRANCH I – GENERAL MEDICINE
PAPER IV – MEDICINE INCLUDING CHILDREN’S DISEASES AND
RECENT ADVANCES

Q.P. Code :202004

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Define anemia, discuss in detail about Megaloblastic anemia and management.
2. Discuss epidemiology, pathophysiology, clinical features, diagnosis and management of acute Rheumatic fever, with a note on primary and secondary prevention of Rheumatic fever.

II. Write notes on:

(10 x 7 = 70)

1. Paroxysmal Nocturnal Hemoglobinuria (PNH).
2. Pure Red Cell Aplasia (PRCA).
3. Febrile Neutropenia.
4. Metabolic syndrome.
5. Hypoxic ischemic encephalopathy.
6. Peptic ulcer disease.
7. Churg-Strauss syndrome.
8. Acute Nephritic syndrome.
9. Auto immune hypo thyroidism.
10. Diabetic retinopathy.

M.D. DEGREE EXAMINATION
BRANCH I – GENERAL MEDICINE
PAPER IV – MEDICINE INCLUDING CHILDREN’S DISEASES AND
RECENT ADVANCES

Q.P. Code :202004

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe protein energy malnutrition, and discuss about classification, diagnostic criteria and management, with a note on ICDS programme.
2. Enumerate organophosphorus compounds of medical importance and discuss the clinical manifestations and management of the organophosphorus compound poisoning.

II. Write notes on:

(10 x 7 = 70)

1. Aplastic anaemia.
2. Management of Leptospirosis.
3. Pulmonary complications of tuberculosis.
4. Systemic fungal infection.
5. Nosocomial infection.
6. Ischaemic Cardiomyopathy.
7. Management of worm infestation in children.
8. Common skin ailment in school going children upto 10 years.
9. Drug management in haemorrhagic stroke.
10. Meningoencephalitis – treatment.

M.D. DEGREE EXAMINATION
BRANCH I – GENERAL MEDICINE
PAPER IV – MEDICINE INCLUDING CHILDREN’S DISEASES AND
RECENT ADVANCES

Q.P. Code :202004

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Enumerate the causes and discuss in detail diagnosis and management of acute diarrhoeal disease in children upto 10 years, with a note on complications.
2. Describe the etiopathogenesis, clinical picture, diagnosis and management of Myasthenia Gravis, with note on differential diagnosis.

II. Write notes on:

(10 x 7 = 70)

1. Myxoedema coma – management.
2. Management of Iron tablet poisoning in children.
3. Hemophilus influenza infection.
4. Non-Gonococcal urethritis among young adults.
5. Tension Pneumothorax – clinical features and treatment.
6. Japanese encephalitis.
7. Measles-Rubella vaccine.
8. Pneumococcal pneumonia.
9. Brucellosis.
10. Alpha 1-anti trypsin deficiency.

M.D. DEGREE EXAMINATION
BRANCH I – GENERAL MEDICINE
PAPER IV – MEDICINE INCLUDING CHILDREN’S DISEASES AND
RECENT ADVANCES

Q.P. Code: 202004

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Name the lung diseases caused by organic dusts. Describe the clinical features, investigations, diagnosis and discuss management of any one.
2. Differences between Malabsorbption and malnutrition. How these can be differentiated clinically in Paediatrics? Discuss about the management of malnutrition related disorders in children.

II. Write notes on:

(10 x 7 = 70)

1. Role of biologicals in Rheumatoid Arthritis.
2. Relevance of Thalassemia screening in pregnant women with scientific evidence.
3. Anthropometry and importance in paediatric practice.
4. Recent WHO guidelines for TB management.
5. Pre excitation syndrome – clinical features and management.
6. Biomarkers of cardiac failure.
7. SIADH.
8. Schuermann’s disease.
9. Homologous bone marrow transplantation.
10. Numerical chromosomal disorders.

M.D. DEGREE EXAMINATION
BRANCH I – GENERAL MEDICINE
PAPER IV – MEDICINE INCLUDING CHILDREN’S DISEASES AND
RECENT ADVANCES

Q.P. Code: 202004

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. IgG 4 related disorders. (Immunoglobulin gamma).
Discuss the epidemiology, clinical features, patho physiology, serological findings, treatment of IgG 4 related disorders.
2. Discuss the musculoskeletal manifestations of endocrine disorders in paediatrics.

II. Write notes on:

(10 x 7 = 70)

1. CRT (Cardiac Resynchronisation Therapy).
2. SRS (Somatostatin Receptor Scan).
3. Midarm circumference.
4. Acute defibrination syndrome.
5. Refeeding syndrome.
6. Newer investigations for diagnosis of Rhythm abnormalities.
7. Hyper vitaminosis in children.
8. Pink disease.
9. Trans catheter treatment of bleeding emergencies.
10. Epigenetic inheritance disorders.

[LP 106]

OCTOBER 2019

Sub. Code: 2004

M.D. DEGREE EXAMINATION
BRANCH I – GENERAL MEDICINE
PAPER IV – MEDICINE INCLUDING CHILDREN’S DISEASES AND
RECENT ADVANCES

Q.P. Code: 202004

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the clinical features, diagnosis and management of organophosphorus compound poisoning.
2. Discuss the clinical features, pathophysiology, diagnosis and management of Acute myeloid leukemia.

II. Write notes on:

(10 x 7 = 70)

1. Kwashiorker.
2. Dwarfism.
3. SPECT scan.
4. Reentrant arrhythmias.
5. Renal transplantation.
6. Indian childhood cirrhosis.
7. Steven – Johnson syndrome.
8. Klinefelters syndrome.
9. Infliximab.
10. Extra pulmonary manifestation of sarcoidosis.

[LQ 106]

AUGUST 2020
(MAY 2020 SESSION)

Sub. Code: 2004

M.D. DEGREE EXAMINATION

BRANCH I – GENERAL MEDICINE

**PAPER IV – MEDICINE INCLUDING CHILDREN'S DISEASES AND
RECENT ADVANCES**

Q.P. Code: 202004

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. DERMATOMYOSITIS - Etiology, clinical features and management.
2. Discuss the criteria for BRAIN DEATH and analyse the factors for organ harvesting.

II. Write notes on:

(10 x 7 = 70)

1. Hypo pigmented skin macules.
2. Food additives and diseases.
3. Oxygen therapeutics.
4. SGLT2 inhibitors in Type2 DM.
5. Aluminium phosphide poisoning and its management.
6. Systemic inflammatory response syndrome (SIRS).
7. Melatonin – physiology and therapeutics.
8. Cardiac failure in children.
9. Hypertension in children.
10. New African haemorrhagic fever.

[LS 106]

NOVEMBER 2020
(OCTOBER 2020 SESSION)

Sub. Code: 2004

M.D. DEGREE EXAMINATION

BRANCH I – GENERAL MEDICINE

**PAPER IV – MEDICINE INCLUDING CHILDREN'S DISEASES AND
RECENT ADVANCES**

Q.P. Code: 202004

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. ULCERATIVE COLITIS - Etiology, clinical features, investigations and management.
2. Enumerate various VASCULITIDES syndromes and discuss the clinical features and management of Poyarteritis Nodosa.

II. Write notes on:

(10 x 7 = 70)

1. Gene Therapy.
2. PET scan.
3. Right Ventricular Myocardial Infarction.
4. Promyelocytic Leukaemia.
5. Plasmapheresis.
6. Biomarkers in Medicine.
7. Nutrition for a patient on Mechanical Ventilation.
8. Drug eluting stents.
9. Cerebral palsy.
10. Prone ventilation in COVID 19 treatment.

[MD 0721]

JULY 2021
(MAY 2021 SESSION)

Sub. Code: 2004

M.D. DEGREE EXAMINATION

BRANCH I – GENERAL MEDICINE

**PAPER IV – MEDICINE INCLUDING CHILDREN'S DISEASES AND
RECENT ADVANCES**

Q.P. Code: 202004

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Contemporary diagnosis and recent advances in the management of chronic obstructive pulmonary disease.
2. Discuss in detail about clinical features, neuro imaging and management of childhood stroke.

II. Write notes on:

(10 x 7 = 70)

1. Haemophilia.
2. Tumour lysis syndrome.
3. Hypothermia.
4. Congenital adrenal hyperplasia.
5. Stridor.
6. Acute intermittent porphyria.
7. Brucellosis.
8. Medical management of obesity.
9. Attention deficit disorder.
10. Essential tremor.

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

[MD 1121]

**NOVEMBER 2021
(OCTOBER 2021 SESSION)**

Sub. Code: 2004

M.D. DEGREE EXAMINATION

BRANCH I – GENERAL MEDICINE

**PAPER IV – MEDICINE INCLUDING CHILDREN'S DISEASES AND
RECENT ADVANCES**

Q.P. Code: 202004

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Write in detail about Auto Immune Poly Glandular Syndrome.
2. Write in detail about Clinical Diagnosis and Management of Septic Shock.

II. Write notes on:

(10 x 7 = 70)

1. Blood Brain Barriers in Health and Diseases.
2. Thalassemia.
3. CO enzyme Q10.
4. Stem Cell Therapy.
5. Emerging role of Fluroquinolones in the Treatment of Tuberculosis.
6. Neonatal Seizures.
7. Rickets.
8. Cardio Renal Syndrome.
9. Major Histo Compatability Complex.
10. Apnoea.

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

[MD 0522]

MAY 2022

Sub. Code: 2004

M.D. DEGREE EXAMINATION

BRANCH I – GENERAL MEDICINE

**PAPER IV – MEDICINE INCLUDING CHILDREN'S DISEASES AND
RECENT ADVANCES**

Q.P. Code: 202004

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the Pathophysiology, Haematological, Clinical, Manifestations and management of Myelodysplastic syndrome.
2. 20 year old female comes to casualty with Miosis, Fasciculations, Sweating following exam results. Discuss in detail management of this patient.

II. Write notes on:

(10 x 7 = 70)

1. Graft Versus Host Reactions.
2. Management of worm infestations in children.
3. Knock Knees in children.
4. Paraneoplastic syndrome.
5. Recent trends in Covid 19 management.
6. CRT [Cardiac Resynchronization Syndrome].
7. Myxedema Coma management.
8. Role of Interleukins in clinical practice.
9. Tumour Markers.
10. Cutaneous manifestations of Systemic diseases.

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

[MD 1022]

OCTOBER 2022

Sub. Code: 2004

M.D. DEGREE EXAMINATION

BRANCH I – GENERAL MEDICINE

**PAPER IV – MEDICINE INCLUDING CHILDREN’S DISEASES AND
RECENT ADVANCES**

Q.P. Code: 202004

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the etiology, clinical features and management of Multisystem Inflammatory Syndrome in children (MIS-C).
2. Discuss the criteria for Brain death and analyse the factors for organ harvesting.

II. Write notes on:

(10 x 7 = 70)

1. Monoclonal antibodies in Rabies.
2. Pramlintide.
3. Cerebral salt wasting syndrome.
4. ARNI.
5. Post Covid complications.
6. qSOFA score.
7. Temporal arteritis.
8. Oncological emergencies.
9. Restless leg syndrome.
10. Barter syndrome.

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

[MD 0723]

**JULY 2023
(MAY 2023 EXAM SESSION)**

Sub. Code: 2004

M.D. DEGREE EXAMINATION

BRANCH I – GENERAL MEDICINE

**PAPER IV – MEDICINE INCLUDING CHILDREN'S DISEASES AND
RECENT ADVANCES**

Q.P. Code: 202004

Time : Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the pathophysiology, clinical features and management of Hypogonadotropic Hypogonadism in Children.
2. Discuss the etiopathogenesis, clinical features and recent advances in management of Acute Heart Failure.

II. Write notes on:

(10 x 7 = 70)

1. Kawaski Disease.
2. Kikuchi Disease.
3. Baricitinib.
4. Wells' criteria and recent advances in management of Pulmonary Embolism.
5. Molecular Absorbent Recirculating System.
6. Imeglimin.
7. Long COVID syndrome.
8. Polyarteritis Nodosa.
9. Uremic Toxins.
10. Liddle syndrome.
