Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 02-Jan-2025

[Time: 3 Hours] **[Max. Marks: 100]**

PAEDIATRICS - PAPER – I (RS-2/RS-3)
FOETAL AND NEW BORN
Q.P. CODE: 7371

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. A three days old neonate is brought with severe jaundice. Outline your approach to the problem. How will you investigate and treat this neonate?
2. Discuss the clinical manifestations and management of Necrotising Enterocolitis (NEC) in a neonate.
3. Discuss the etiopathogenesis, clinical features and management of Hemorrhagic disease of newborn
4. Discuss the indication, components and interpretation of new born sepsis screen.
5. Discuss risk factors, clinical features and management of Erb's palsy
6. Describe the types of Tracheo-esophageal fistula and their clinical features
7. Discuss clinical features and management of a term baby with meconium aspiration syndrome (MAS)
8. Discuss immediate and long term problems of a SGA neonate
9. Outline resuscitation of a 32 weeks preterm neonate.
10. **Define neonatal hypoglycemia. Describe the clinical features and management of the same**

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M.D. Degree Examination - 04-Jan-2025

[Time: 3 Hours] **[Max. Marks: 100]**

PAEDIATRICS - PAPER – II (RS-2/RS-3)
GENERAL PAEDIATRICS –I
Q.P. CODE: 7372

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. A 10-year-old child is brought with obesity – BMI 30. Discuss the causes including neuro-endocrine and genetic causes. Outline the management.
2. A child is brought with fever and altered sensorium. How will you evaluate? Outline the etiology and management of Acute Encephalitic Syndrome.
3. Skeletal and Extra-skeletal effects of Vitamin D3.
4. Dilated Cardiomyopathy.
5. **Oncogenes and Recent advances in chemotherapy of cancers.**
6. Classification and Approach to Primary immunodeficiency.
7. Approach to hyperammonemia in an infant.
8. **Cerebral Salt wasting – differential diagnosis and approach.**
9. Write the signs, symptoms, diagnosis, investigations and management of Diabetic Ketoacidosis in a child.
10. Autistic Spectrum Disorders.

Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 06-Jan-2025

[Time: 3 Hours] **[Max. Marks: 100]**

PAEDIATRICS - PAPER – III
(RS-2/RS-3)
GENERAL PAEDIATRICS –II
Q.P. CODE: 7373

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. A three-year-old child presents with acute onset high fever, difficulty in speaking, swallowing, drooling. How do you evaluate and treat it?
2. A five-year-old male child presents with failure to thrive and on examination, he weights 9kgs, has a respiratory rate of 50/min and bowing of legs. How do you evaluate and treat this child?
3. Describe congenital platelet dysfunctions and their presentations, evaluation and treatment.
4. Evaluation of girl with short stature, and delayed pubertal changes.
5. Write briefly acute pancreatitis in children. Mention the causes, their evaluation and treatment.
6. Describe clinical features, investigations and treatment of post infectious poly neuritis in children.
7. Advances in the vaccination against dengue virus.
8. Liver transplantation in children.
9. Discuss health problems in an adolescent girl.
10. Classification and treatment of Lupus nephritis.

M.D. Degree Examination – 08-Jan-2025

Time: Three Hours Max. Marks: 100 Marks

PAEDIATRICS - PAPER- IV (RS-2/RS-3)
SOCIAL PAEDIATRICS AND PAEDIATRIC EMERGENCIES
Q. P. CODE: 7374

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

Answer All The Questions **10 x 10 = 100 Marks**

1. Discuss pathogenesis and management of cyanotic spell.
2. What are social determinants of health in children?
3. Scorpion sting in five year old child, how you will manage? What are the complications and outcome
4. Early identification of neurodevelopmental problem by using immunization and developmental assessment card
5. Management of dog bite.
6. Newer anti tubercular drugs and newer regimens
7. Discuss etiology, management and complications of Pyogenic meningitis.
8. Discuss causes, pathogenesis and assessment of acute respiratory failure.
9. Evaluation of a febrile 6 months old infant in OPD.
10. Mention causes and management of hyponatraemia.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 26-May-2025

Time: Three Hours **Max. Marks: 100 Marks**

PAEDIATRICS - PAPER- I (RS-2/RS-3)
FOETAL AND NEW BORN
Q. P. CODE: 7371

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

Answer All The Questions **10 x 10 = 100 Marks**

1. Describe the stages and monitoring of retinopathy of prematurity in a preterm neonate.
2. Explain the role of 'First Referral Unit' in newborn care
3. Maternal drugs and breast feeding.
4. Write a note on Extended Perinatal Mortality Rate (EPMR) and measure to reduce the same
5. Discuss the clinical features and management of neonatal polycythemia.
6. Describe the pathophysiology of RDS in the newborn and role of Bubble – CPAP.
7. Discuss briefly intrauterine diagnosis of fetal disease.
8. Describe fetal circulation and clinical features of cyanotic congenital heart disease in the neonate.
9. Outline the management of antenatally detected hydronephrosis in the neonate
10. Explain the pathophysiology of Hypoxic Ischemic Encephalopathy (HIE) and management.

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M.D. Degree Examination – 28-May-2025

Time: Three Hours **Max. Marks: 100 Marks**

PAEDIATRICS - PAPER- II (RS-2/RS-3)
GENERAL PAEDIATRICS-1
Q. P. CODE: 7372

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

Answer All The Questions **10 x 10 = 100 Marks**

1. Good Enough Draw A Man test.
2. Eye- a clue to systemic disorder in children.
3. Intravenous immunoglobulins in paediatric practice.
4. Discuss causes emphyema and write a note on VATS.
5. Classification and diagnosis of Von Willebrand disease.
6. Hypophosphatemic Rickets.
7. Management of recurrent skin and respiratory infection in 6-year child.
8. Hemophagocytic lymphotistiocytosis.
9. Diagnosis and management of severe acute malnutrition in 1-year old child.
10. **Diagnosis and management of central diabetes insipidus in 9-month-old child.**

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 30-May-2025

Time: Three Hours Max. Marks: 100 Marks

PAEDIATRICS - PAPER- III
(RS-2/RS-3)
General Paediatrics-II
Q. P. CODE: 7373

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

Answer All The Questions **10 x 10 = 100 Marks**

1. Classify arrhythmias. Discuss their etiology, clinical features and management.
2. Describe the etiology, clinical features, complications and management of dengue fever.
3. Urine and Stool examination in clinical practice
4. 5-year-old child with hepatosplenomegaly, clinical approach
5. Kawasaki disease
6. Intussusception
7. Newer diagnostic aids in Tuberculosis
8. Ophthalmic signs in paediatrics
9. Resistant rickets
10. Autism

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M.D. Degree Examination – 02-Jun-2025

[Time: 3 Hours] **[Max. Marks: 100]**

PAEDIATRICS - PAPER – IV (RS-2/RS-3)
Social Paediatrics and Paediatric Emergencies
Q.P. CODE: 7374

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. Ketogenic diet in refractory seizures
2. A 2-year-old child brought with altered sensorium and convulsion. Discuss the approach including management of Acute Encephalitic Syndrome (AES).
3. Recent advances in management of spinal muscular atrophy (SMA)
4. Toxic Shock Syndrome.
5. Discuss Anemia Mukt Bharat with specific reference to children and adolescents
6. Antimicrobial Resistance – Mechanisms and Remedial Measures.
7. Conditions with Raised Intra Cranial pressure and management.
8. Extra Corporeal Membrane Oxygenation (ECMO).
9. Causes and treatment of Hyperkalemia in children.
10. POCSO act

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 24/Sep/2025

Time: Three Hours **Max. Marks: 100 Marks**

PAEDIATRICS - PAPER- I (RS-2/RS-3)
FOETAL AND NEW BORN
Q. P. CODE: 7371

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

Answer All The Questions **10 x 10 = 100 Marks**

1. Discuss the components and importance of newborn screening programme
2. Describe the etiopathogenesis of neonatal hyperbilirubinemia and outline the laboratory evaluation of a three day old term neonate with severe jaundice
3. Discuss etiopathogenesis of hypoglycemia in the preterm neonate.
4. Define small for gestational age baby. Discuss the common problems associated with SGA babies
5. Discuss application of nitric oxide in neonatal care
6. Describe the human placenta and its role in fetal well being
7. Discuss non invasive ventilation (NIV) in a neonate with respiratory distress
8. Assessment of fetal growth, maturity and well-being.
9. Discuss calcium homeostasis, etiology and clinical features of hypocalcemia in the neonate
10. Discuss the approach to seizures in a three day old neonate and outline management.

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M.D. Degree Examination - 26/Sep/2025

[Time: 3 Hours] **[Max. Marks: 100]**

PAEDIATRICS - PAPER – II (RS-2/RS-3)
GENERAL PAEDIATRICS –I
Q.P. CODE: 7372

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. A 10-month-old baby is brought with prolonged diarrhea and failure to thrive. Discuss the causes Outline the management of Celiac Disease.
2. A child is brought with prolonged convulsions. How will you evaluate? Outline the classification and management of Status epilepticus.
3. Hematological and Extra hematological effects of iron.
4. Coarctation of Aorta – types and management.
5. Immune – histo- chemical features of Leukemic cells and application in chemotherapy.
6. Prevention of Parent to child transmission of HIV infection and diagnosis of HIV in babies <18 months of age.
7. Approach to a baby disorders of sex development (DSD)
8. Ig E and non-Ig E mediated food allergy.
9. Write the causes, clinical features, investigations and management of hypothyroidism in children.
10. Write the approach to a child with bed wetting and write the management.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 29/Sep/2025

[Time: 3 Hours] **[Max. Marks: 100]**

PAEDIATRICS - PAPER – III

GENERAL PAEDIATRICS –II

Q.P. CODE: 7373

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. Newer Vaccines.
2. Clinical features, Grading and management of vesicoureteral reflux.
3. Write the types of Cardiomyopathy. Discuss the clinical features and management Hypertrophic Cardiomyopathy.
4. Write the clinical features, investigations and management of cerebral malaria.
5. Write the clinical features, management of Gastro-Esophageal Reflux Disease (GERD).
6. Clinical features and management of portal hypertension.
7. Write the etiology, clinical features, investigations and management of lead poisoning.
8. Write the clinical features, investigations and management of Hirshsprung diseases.
9. Sudden infant death syndrome.
10. Write the etiology, clinical features, investigations and management of Acute Rheumatic fever.

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M.D. Degree Examination – 03/Oct/2025

[Time: 3 Hours] **[Max. Marks: 100]**

PAEDIATRICS - PAPER – IV
SOCIAL PAEDIATRICS AND PAEDIATRIC EMERGENCIES

Q.P. CODE: 7374

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. Discuss the causes and pathophysiology of congestive cardiac failure in children. Outline the management.
2. Discus management of thalassemia and add a note on antenatal diagnosis of thalassemia.
3. POSHAN **ABHIYAAN**
4. Vaccine associated paralytic poliomyelitis.
5. Compulsive digital gaming
6. Management of snake bite in children.
7. **Organo** phosphorus poisoning in children.
8. Management of Diabetic ketoacidosis.
9. Hematuria in children.
10. Learning disabilities.

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