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MANIPAL ACADEMY OF HIGHER EDUCATION
MD (PAEDIATRICS) DEGREE EXAMINATION – NOVEMBER 2025

PAPER I

Monday, November 10, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Use diagrams and flow charts if necessary.**

✍ **Short essay questions.**

1. Renal function tests in children.
2. Gender identity disorders.
3. Calcium metabolism in health and disease.
4. Benign Rolandic epilepsy.
5. Patterns of inheritance of genetic disorders.
6. Intra uterine diagnosis of fetal diseases.
7. Graft versus host disease.
8. Management of portal hypertension.
9. Congenital central hypoventilation syndrome.
10. Neural tube defects.

(10 marks × 10 = 100 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
MD (PAEDIATRICS) DEGREE EXAMINATION – NOVEMBER 2025

PAPER II

Tuesday, November 11, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer all the Questions:**

✍ **Use diagrams and flow charts if necessary**

1. Measurement of insulin resistance.
2. Prevention of chronic lung disease in extremely low birth weight neonates.
3. Describe the interventions under NHM focusing on newborns.
4. Obesity in children-Etiology, clinical features and management.
5. Discuss indications, ventilation strategies and advantages of high frequency ventilation in neonates.
6. Describe the classification, clinical features and management of brachial plexus injury in newborn.
7. Describe the evaluation and management of Fungal sepsis in NICU.
8. Discuss prenatal diagnosis and fetal therapy available in India.
9. Discuss the differences between Parametric and Non-Parametric tests used in statistics.
10. Newborn screening in genetic disorders.

(10 marks × 10 = 100 marks)



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PAPER III

Wednesday, November 12, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

☞ **Answer all the questions:**

1. A 2 year old girl presents with epistaxis. How will you approach?
2. IgA nephropathy.
3. A 12 year old child presented with fever of 3 days duration to emergency department. His NSI dengue test was positive. Discuss approach and management of this child.
4. Long QT syndromes.
5. Discuss approach to an 8 year old child with acute stroke.
6. Cold agglutinin disease.
7. Duct dependent cardiac lesions.
8. 2 year old child presented to emergency department with seizures ongoing for last 30 minutes. Discuss your approach for management.
9. Retinoblastoma.
10. Describe the classification and management of juvenile idiopathic arthritis.

(10 marks × 10 = 100 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
MD (PAEDIATRICS) DEGREE EXAMINATION – NOVEMBER 2025

PAPER IV

Thursday, November 13, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

1. Write a note on selection criteria and post-transplant medical management of liver transplant in children.
2. Write a note on vaccines recommended in special circumstances.
3. Advances in therapies of pediatric acute leukemia.
4. Multisystem Inflammatory Syndrome in Children.
5. Extracorporeal Membrane Oxygenation.
6. NMDA receptor encephalitis.
7. Fluorescent in situ hybridization technique (FISH).
8. Discuss advances in fetal therapy.
9. Brainstem Auditory Evoked Response.
10. Gene therapy in spinal muscular atrophy.

(10 marks × 10 = 100 marks)

