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**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MD (PAEDIATRICS) DEGREE EXAMINATION – MAY 2026**

**PAPER I**

Monday, May 18, 2026

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

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✍ **Answer ALL the questions.**

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

1. Describe the vitamin D metabolism and discuss the clinical features and management of rickets in children.
2. Describe pulmonary function tests and its utility in bronchial asthma.
3. Role of biomarkers in sepsis.
4. Describe the otoacoustic emissions (OAE) and discuss its role in universal newborn hearing screening.
5. Developmental screening tests.
6. Hyponatremia in children.
7. Cleft palate.
8. Common trisomies in children.
9. Describe the physiology of lactation and role of human milk banking.
10. Discuss the role of Tandem Mass Spectrometry (TMS) in a child suspected to have a metabolic disorder.

(10 marks × 10 = 100 marks)



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**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MD (PAEDIATRICS) DEGREE EXAMINATION – MAY 2026**

**PAPER II**

Tuesday, May 19, 2026

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the Questions:**

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

1. Twenty-eight days old neonate was admitted with inadequate weight gain and persistent jaundice. History suggestive of high colored urine for the past one week, discuss etiology and the approach to management.
2. Human Milk Fortifier (HMF).
3. Prevention of Necrotizing enterocolitis in Preterm neonates.
4. 'District early Intervention center' under National Health Mission.
5. Antimicrobial stewardship.
6. Tocilizumab.
7. Objectives of Indian Newborn Action Plan (INAP).
8. Forest Plot and its application.
9. Scoring system and mortality prediction.
10. Bone mineralization and factors influencing the same.

(10 marks × 10 = 100 marks)



Reg. No.

**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MD (PAEDIATRICS) DEGREE EXAMINATION – MAY 2026**

**PAPER III**

Wednesday, May 20, 2026

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions:**

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

1. Detail the challenges in the management of children with Kwashiorkor.
2. Describe the system present in India to foster the care of children with disability.
3. Write a note on the following special situation with respect to vaccination.
  - a) A child who has completed chemotherapy for Acute Leukemia.
  - b) A child who recently underwent bone marrow transplant.
4. Write a note on newer diagnostic tools available for diagnosis paediatric infectious disease.
5. Write a short note on genomic testing used in diagnosis of genetic disorders in children.
6. Write an approach to diagnosis and management of childhood SLE.
7. Drowning Chain of Survival.
8. Write the antimicrobial policy for the treatment of ASOM.
9. Describe the commonly used prognostic scales used in critically ill children.
10. Describe the management of neurotoxic snake bite envenomation.

(10 marks × 10 = 100 marks)



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**MANIPAL ACADEMY OF HIGHER EDUCATION**  
**MD (PAEDIATRICS) DEGREE EXAMINATION – MAY 2026**

**PAPER IV**

Thursday, May 21, 2026

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

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

1. Write a note on emerging infectious diseases in India
2. Immunotherapy for Paediatric cancers, focusing on checkpoint inhibitors and monoclonal antibodies.
3. Describe the pathophysiology and clinical manifestations of severe combined immunodeficiency (SCID).
4. Macrophage activation syndrome.
5. Electroclinical Syndromes - According to recent ILAE classification.
6. Biomarkers in acute kidney injury.
7. Discuss the various sampling methods used in statistics and sampling errors.
8. Discuss prenatal diagnosis and fetal therapy available in India.
9. Indications and types of Hematopoietic Stem Cell Transplant.
10. Neurally Adjusted Ventilatory Assist (NAVA).

(10 marks × 10 = 100 marks)

