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# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2006

SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO PAEDIATRICS, GROWTH AND DEVELOPMENT

Monday, April 03, 2006

Time: 3 Hrs.

Max. Marks: 100

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✍ Answer all the questions.

1. Discuss causes of hypoglycemia in a one year old child. How will you investigate and manage this child?

(30 marks)

2. Write short notes on:

- 2A. Constitutional delay of growth.
- 2B. Hypernatremic dehydration.
- 2C. Central venous catheterisation.
- 2D. Serological markers in hepatitis B infection.
- 2E. Management of organophosphorous poisoning.
- 2F. Cleft palate.
- 2G. Cataracts in children.

(10×7 = 70 marks)

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# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2006

**SUBJECT: PAPER II: NEONATOLOGY, SOCIAL PAEDIATRICS AND PREVENTIVE  
PAEDIATRICS, NUTRITION**

Tuesday, April 04, 2006

Time: 3 Hrs.

Max. Marks: 100

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**Answer all the questions.**

1. When is an inborn error of metabolism suspected in the newborn period? How will you proceed with investigating this child.

(30 marks)

2. Write short notes on:

2A. Adolescent health.

2B. Analgesia in the newborn.

2C. Biochemical and biological determinants of bilirubin encephalopathy.

2D. Mid day meal programme.

2E. Failure to thrive.

2F. Accident prevention.

2G. Dietary management in diabetes mellitus.

(10×7 = 70 marks)

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# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2006

**SUBJECT: PAPER III: IMMUNOLOGY, IMMUNE RELATED DISEASES, INFECTIOUS DISEASES, HAEMATOLOGY & ONCOLOGY**

Wednesday, April 05, 2006

Time: 3 Hrs.

Max. Marks: 100

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**Answer all the questions**

1. Discuss etiology, investigations and management of a child with recurrent infections.

(30 marks)

2. Write short notes on:

2A. Henoch schonlein Purpura.

2B. Neonatal varicella.

2C. Cryptococcal meningitis.

2D. Retinoblastoma.

2E. Prognostic features in acute leukaemia.

2F. G6PD deficiency.

2G. Lepromatous leprosy.

(10×7 = 70 marks)

**MANIPAL ACADEMY OF HIGHER EDUCATION**  
(Deemed University)

**MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2006**

**SUBJECT: PAPER IV: GENERAL PAEDIATRICS INCLUDING PAEDIATRIC SURGERY**  
Thursday, April 06, 2006

Time: 3 Hrs.

Max. Marks: 100

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**✍ Answer all the questions**

1. A 10 year old is brought to you with deteriorating school performance. What are the likely causes? Outline your approach to the problem – history, examination and laboratory work up

(30 marks)

2. Write short notes on:

2A. Long term management of a child with Insulin Dependent Diabetes Mellitus.

2B. Constipation.

2C. Evaluation of a child passing red urine.

2D. Genetic Counselling.

2E. Hypospadias.

2F. Long term management of child with Down's Syndrome.

2G. Aerosolised bronchodilators.

(10×7 = 70 marks)

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# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## MD (PAEDIATRICS) DEGREE EXAMINATION – JULY 2006

SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO PAEDIATRICS, GROWTH AND DEVELOPMENT

Monday, July 03, 2006

Time: 3 Hrs.

Max. Marks: 100

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**Answer all the questions.**

1. Discuss Vitamin D metabolism. Discuss the causes of rickets in a 4 year old child. How will you manage a case of rickets.

(30 marks)

2. Write short notes on:

2A. Diagnostic imaging of the urinary tract.

2B. Near drowning.

2C. Renovascular hypertension.

2D. Acute iron poisoning.

2E. Hypokalaemia.

2F. Insulin like growth factors.

2G. Topiramate.

(10×7 = 70 marks)



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# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## MD (PAEDIATRICS) DEGREE EXAMINATION – JULY 2006

**SUBJECT: PAPER II: NEONATOLOGY, SOCIAL PAEDIATRICS AND PREVENTIVE  
PAEDIATRICS, NUTRITION**

Tuesday, July 04, 2006

Time: 3 Hrs.

Max. Marks: 100

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**✍ Answer all the questions.**

1. What are the vitamin dependency states? Discuss the diagnosis and management of vitamin dependency states.

(30 marks)

2. Write short notes on:

2A. Infant transport

2B. Adoption

2C. Erb-Duchenne paralysis

2D. Delivery room emergencies

2E. Anemia in the newborn

2F. Substance abuse

2G. Integrated management of childhood and neonatal illness.

(10×7 = 70 marks)



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# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## MD (PAEDIATRICS) DEGREE EXAMINATION – JULY 2006

**SUBJECT: PAPER III: IMMUNOLOGY, IMMUNE RELATED DISEASES, INFECTIOUS DISEASES, HAEMATOLOGY & ONCOLOGY**

Wednesday, July 05, 2006

Time: 3 Hrs.

Max. Marks: 100

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**Answer all the questions**

1. Discuss criteria for diagnosis of juvenile chronic arthritis. Classify JCA and discuss management.

(30 marks)

2. Write short notes on:

2A. Use of the virological laboratory by the clinician.

2B. Acyclovir.

2C. Neurocysticercosis.

2D. Hyper IgE Syndrome.

2E. Von Willebrand disease.

2F. Bone marrow transplant.

2G. Pathology of Hodgkins lymphoma.

(10×7 = 70 marks)

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# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## MD (PAEDIATRICS) DEGREE EXAMINATION – JULY 2006

SUBJECT: PAPER IV: GENERAL PAEDIATRICS INCLUDING PAEDIATRIC SURGERY

Thursday, July 06, 2006

Time: 3 Hrs.

Max. Marks: 100

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**Answer all the questions**

1. Discuss floppy infant.

(30 marks)

2. Write short note on:

2A. Anorectal anomaly

2B. Recurrent jaundice in children

2C. Treatment of migraine

2D. Management of status asthmaticus

2E. Supraventricular tachycardia

2F. Work up of a child with haematuria

2G. Cryptorchidism.

(10×7 = 70 marks)



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# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## MD (PAEDIATRICS) DEGREE EXAMINATION – DECEMBER 2006

SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO PAEDIATRICS, GROWTH AND DEVELOPMENT

Monday, December 04, 2006

Time: 3 Hrs.

Max. Marks: 100

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**✍ Answer all the questions.**

1. Discuss pathophysiology and management of diabetic ketoacidosis in children. Add a note on longterm management.

(30 marks)

2. Write short notes on:

2A. Embryology of heart

2B. Red cell indices

2C. Computers and their application in paediatrics

2D. Methyl Prednisolone

2E. Apparent life threatening event

2F. Club foot

2G. Graftversus host disease.

(10×7 = 70 marks)

**MANIPAL ACADEMY OF HIGHER EDUCATION**

(Deemed University)

**MD (PAEDIATRICS) DEGREE EXAMINATION – DECEMBER 2006****SUBJECT: PAPER II: NEONATOLOGY, SOCIAL PAEDIATRICS AND PREVENTIVE  
PAEDIATRICS, NUTRITION**

Tuesday, December 05, 2006

Time: 3 Hrs.

Max. Marks: 100

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**✍ Answer all the questions.**

1. Discuss ecology of malnutrition. Discuss interaction between infection and nutrition. What are the complications of severe PEM and how will you manage them?

(30 marks)

2. Write short notes on:

- 2A. Non accidental injury  
2B. Infantile tremor syndrome  
2C. Adoption and the paediatrician  
2D. Apnea of prematurity  
2E. Primary pulmonary hypertension  
2F. Causes of renal failure in the newborn  
2G. Neonatal screening.

(10×7 = 70 marks)

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# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## MD (PAEDIATRICS) DEGREE EXAMINATION – DECEMBER 2006

**SUBJECT: PAPER III: IMMUNOLOGY, IMMUNE RELATED DISEASES, INFECTIOUS DISEASES, HAEMATOLOGY & ONCOLOGY**

Wednesday, December 06, 2006

Time: 3 Hrs.

Max. Marks: 100

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**Answer all the questions**

1. Discuss pathogenesis, clinical features and diagnosis of hemolytic uremic syndrome. Outline management and prognosticate.

(30 marks)

2. Write short notes on:

2A. Anti nuclear antibody

2B. Diagnosis of H.pylori infections

2C. Langerhan Cell Histiocytosis

2D. Kawasaki disease

2E. Drug resistance in tuberculosis

2F. Combination vaccines

2G. Iron overload.

(10×7 = 70 marks)

Reg. No.

# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## MD (PAEDIATRICS) DEGREE EXAMINATION – DECEMBER 2006

SUBJECT: PAPER IV: GENERAL PAEDIATRICS INCLUDING PAEDIATRIC SURGERY

Thursday, December 07, 2006

Time: 3 Hrs.

Max. Marks: 100

**Answer all the questions**

1. Discuss normal sexual differentiation. How will you approach a child with ambiguous genitalia? Add a note on prenatal diagnosis and management of congenital adrenal hyperplasia.

(30 marks)

2. Write short note on:

2A. Management of a difficult nephrotic syndrome

2B. Reye's syndrome

2C. Newborn with bilious vomiting

2D. Spinal muscular atrophy

2E. Dental caries

2F. Choledochal cyst

2G. Decision tree for tachycardia with poor perfusion.

(10×7 = 70 marks)

