

## MANIPAL UNIVERSITY

MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2016

SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO PAEDIATRICS

Monday, April 18, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Essay Questions:

1. Discuss the development of interatrial septum. Describe the clinical features, diagnosis of atrial septal defect detected in a six month old baby.

(15 marks)

2. Discuss the clinical features, complications and treatment of acute post streptococcal Glomerulonephritis.

(15 marks)

3. Write short notes on:

3A. Non suppurative complications of streptococcus

3B. Growth monitoring

3C. Levetiracetam

3D. Blood pressure physiology and regulation

3E. Changes in adolescence and anticipatory guidance

3F. Kidney as endocrine organ

3G. Puberty and SMR

3H. Liver function tests

3I. Pharmacokinetics in newborn

3J. Energy metabolism in newborn

(7 marks × 10 = 70 marks)



**MANIPAL UNIVERSITY****MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2016****SUBJECT: PAPER II: NEONATOLOGY AND COMMUNITY PAEDIATRICS**

Tuesday, April 19, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Discuss the etiology and clinical features of hyaline membrane disease in newborns. Write briefly on the management.

(15 marks)

2. Write briefly on etiology and management of neonatal seizures. Discuss the prognosis and outcome in neonatal seizures.

(15 marks)

3. **Write short notes on:**

3A. CPAP in newborns

3B. Total parenteral nutrition

3C. Neonatal transport

3D. Evaluation of fetal wellbeing

3E. Oral rehydration therapy

3F. Anemia of prematurity

3G. National Rural Health Mission

3H. Child abuse and neglect

3I. Hypocalcemia in newborn

3J. Congenital cataract

(7 marks × 10 = 70 marks)



**MANIPAL UNIVERSITY****MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2016****SUBJECT: PAPER III: GENERAL PAEDIATRICS INCLUDING ADVANCES IN  
PAEDIATRICS RELATING TO CLUSTER – I SPECIALITIES**

Wednesday, April 20, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Discuss the causes, clinical features, evaluation and management of septic shock in children.  
(15 marks)
2. Discuss the etiology of acute Gastroenteritis. Discuss the classification and treatment of dehydration.  
(15 marks)

3. **Write short notes on:**

- 3A. Malaria burden and life cycle of the parasite
- 3B. Complications of bacterial meningitis
- 3C. Dog bite and management
- 3D. Management of status asthmaticus
- 3E. Evaluation of obesity in children
- 3F. Amphotericin-B
- 3G. Evaluation of autoimmune hepatitis in children
- 3H. Juvenile Idiopathic arthritis
- 3I. Complement deficiency disorders
- 3J. Acute severe Malnutrition

(7 marks × 10 = 70 marks)



## MANIPAL UNIVERSITY

MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2016  
SUBJECT: PAPER IV: GENERAL PAEDIATRICS INCLUDING ADVANCES IN  
PAEDIATRICS RELATING TO CLUSTER – II SPECIALITIES

Thursday, April 21, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Essay Questions:

1. Discuss the classification, clinical features and diagnosis of hemolytic anemia in children. Write briefly on the role of stem cell transplantation in hemolytic anemia. (15 marks)

2. Discuss the diagnosis, treatment and follow up of congenital hypothyroidism. (15 marks)

3. Write short notes on:

3A. Acute kidney injury in sepsis

3B. Voiding cysto urethrogram

3C. Liver transplantation

3D. Milrinone

3E. Tuberculous meningitis

3F. Osteogenesis Imperfecta

3G. Management of status epilepticus

3H. Congenital adrenal hyperplasia

3I. Drug therapy in nephrotic syndrome

3J. Cyanotic spell

(7 marks × 10 = 70 marks)

