

Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION
MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2019
SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO PAEDIATRICS

Tuesday, April 02, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL questions.

✍ Essay Question:

1. Describe lung volumes and capacities in health and disease. (15 marks)

2. Describe development of heart. Explain fetal circulation. (15 marks)

3. Write short notes on:

3A. Causes of hypertension in children.

3B. Anatomy of the glomerulus.

3C. Regulation of pituitary hormones.

3D. Metabolic acidosis.

3E. Types of shock.

3F. Define genetic counseling. What are the indications for genetic counseling?

3G. Pathophysiology, clinical features and management of anaphylaxis.

3H. Normal cerebrospinal fluid circulation.

3I. Antimicrobial stewardship.

3J. Life cycle of plasmodium vivax.

(7 marks × 10 = 70 marks)



Reg. No.										
----------	--	--	--	--	--	--	--	--	--	--

MANIPAL ACADEMY OF HIGHER EDUCATION
MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2019
SUBJECT: PAPER II: NEONATOLOGY AND COMMUNITY PAEDIATRICS

Wednesday, April 03, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Long Essay:**

1. Discuss the clinical features and management of persistent pulmonary hypertension in newborn (PPHN).

(15 marks)

2. Write briefly on Kangaroo mother care in neonatal practice.

(15 marks)

3. **Write short notes on:**

3A. Human milk fortifier.

3B. Cleft lip and cleft palate.

3C. ECMO in neonatal practice.

3D. Pain management in NICU.

3E. Newborn hearing screening.

3F. Role of ASHA in improving neonatal survival.

3G. Millennium development goals.

3H. Hypothermia in newborn.

3I. Small for gestational age.

3J. Developmental dysplasia of hip.

(7 marks × 10 = 70 marks)



Reg. No.									
----------	--	--	--	--	--	--	--	--	--

MANIPAL ACADEMY OF HIGHER EDUCATION

MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2019

SUBJECT: PAPER IV: GENERAL PAEDIATRICS INCLUDING ADVANCES IN PAEDIATRICS RELATING TO CLUSTER – II SPECIALITIES

Friday, April 05, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay:**

1. Discuss the clinical approach, differential diagnosis and management of a ten year old male child with fever and joint pains of two months duration.

(15 marks)

2. Discuss the causes, clinical approach and management of acute stroke syndromes in children.

(15 marks)

3. **Write short notes on:**

3A. Renal osteodystrophy

3B. Haematuria in children-clinical approach

3C. Pseudohypoparathyroidism

3D. Congenital adrenal hyperplasia

3E. Infantile spasms

3F. Dental caries

3G. Leviracetam

3H. Long Q-T syndrome

3I. Hepatic encephalopathy

3J. Pseudo tumour cerebri

(7 marks × 10 = 70 marks)

