

**MANIPAL UNIVERSITY****MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2017****SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO PAEDIATRICS**

Monday, April 03, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Essay Question:**

1. Write briefly on the cognitive and language development in the first ten years of life. Add a note on its implications. (15 marks)

2. Write briefly about glucose homeostasis. (15 marks)

3. **Write short notes on:**

3A. Rituximab

3B. Vitamin D

3C. Antioxidants

3D. Body mass index

3E. Cerebral function monitor

3F. Hospital waste disposal

3G. Adolescent vaccination

3H. Iron Metabolism

3I. Organogenesis

3J. Immune tolerance

(7 marks × 10 = 70 marks)



**MANIPAL UNIVERSITY****MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2017**  
**SUBJECT: PAPER II: NEONATOLOGY AND COMMUNITY PAEDIATRICS**

Tuesday, April 04, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Long Essay:**

1. Discuss the etiology, clinical features and management of obesity in children. (15 marks)
2. Twenty five day old male neonate consults for persistent vomiting and failure to gain weight. Discuss the approach to management. (15 marks)

3. **Write short notes on:**

- 3A. Sibling death impact on children
- 3B. Congenital Rubella Syndrome
- 3C. Hypocalcemia in the Newborn
- 3D. Vitamin A Prophylaxis Program
- 3E. Amylase Rich Foods
- 3F. Diet in the Child with Renal disease
- 3G. Nutritional properties of Breast milk
- 3H. Brachial palsy in the newborn
- 3I. Fetal Intervention
- 3J. Substance abuse in adolescents

(7 marks × 10 = 70 marks)



**MANIPAL UNIVERSITY****MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2017****SUBJECT: PAPER III: GENERAL PAEDIATRICS INCLUDING ADVANCES IN  
PAEDIATRICS RELATING TO CLUSTER – I SPECIALITIES**

Wednesday, April 05, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay:**

1. Discuss the etiopathogenesis, clinical features, complications, prognosis and management of Pyogenic Meningitis. (15 marks)

2. A two year old male child was brought with history of recurrent vomiting. Discuss the differential diagnosis. (15 marks)

3. **Write short notes on:**

3A. Cardiac sequelae of Kawasaki Disease

3B. Investigations in Nephrotic Syndrome

3C. Bone marrow transplant

3D. Polio Vaccines

3E. Treatment of Scabies

3F. Prognostic factors of acute Leukemia

3G. H. Pylori

3H. Tocilizimab

3I. Diagnosis of Cystic Fibrosis

3J. Management of Lupus Nephritis

(7 marks × 10 = 70 marks)



**MANIPAL UNIVERSITY****MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2017****SUBJECT: PAPER IV: GENERAL PAEDIATRICS INCLUDING ADVANCES IN  
PAEDIATRICS RELATING TO CLUSTER – II SPECIALITIES**

Thursday, April 06, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay:**

1. An 8 year old is brought with chest pain. What points in history and examinations would help to arrive at a probable diagnosis. Discuss the evaluation of this case. (15 marks)

2. What are the diagnostic criteria for dengue shock syndrome? Outline the management of the same. (15 marks)

3. **Write short notes on:**

3A. Growth hormone therapy

3B. Scabies

3C. Strabismus

3D. Approach to a child with developmental delay

3E. Gastroesophageal reflux disease

3F. Acute severe asthma

3G. Systemic inflammatory response syndrome

3H. Breaking Bad News

3I. Ethical issues in PICU

3J. Delayed puberty in females

(7 marks × 10 = 70 marks)

