

**MANIPAL UNIVERSITY****MD (PAEDIATRICS) DEGREE EXAMINATION – OCTOBER 2015****SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO PAEDIATRICS**

Tuesday, October 06, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Discuss the CSF pathway, normal CSF parameters and the factors that regulate the CSF production and flow.

(15 marks)

2. Discuss pulmonary function tests and its use in diagnosis in pediatrics.

(15 marks)

3. **Write short notes on:**

3A. Basic concepts of immunisation and schedule

3B. Hyponatremia causes and management

3C. Topiramate

3D. Bone age in children

3E. Growth charts

3F. Trace elements

3G. Gut hormones

3H. Drug elimination in neonates

3I. Evaluation of adrenal gland

3J. Glucose metabolism in neonate

(7 marks × 10 = 70 marks)



**MANIPAL UNIVERSITY****MD (PAEDIATRICS) DEGREE EXAMINATION – OCTOBER 2015****SUBJECT: PAPER II: NEONATOLOGY AND COMMUNITY PAEDIATRICS**

Wednesday, October 07, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Question:**

1. Discuss the causes evaluation and management of severe jaundice in a 2 day old baby. (15 marks)

2. Discuss the causes of respiratory distress in a 32 week old neonate. (15 marks)

3. **Write short notes on:**

3A. Vital statistics relevant to Paediatrics

3B. Kangaroo mother care

3C. Bleeding neonate

3D. Thermo regulation in neonate

3E. Oxygen therapy delivery and monitoring

3F. Anterior fontanelle

3G. Post maturity complications and management

3H. BFHI

3I. Child Adoption

3J. School Health Program

(7 marks × 10 = 70 marks)



**MANIPAL UNIVERSITY****MD (PAEDIATRICS) DEGREE EXAMINATION – OCTOBER 2015****SUBJECT: PAPER III: GENERAL PAEDIATRICS INCLUDING ADVANCES IN  
PAEDIATRICS RELATING TO CLUSTER – I SPECIALITIES**

Thursday, October 08, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

**✍ Answer ALL the questions.**

**✍ Essay Question:**

1. How do you manage a first episode of proven Urinary tract infection in a 1 year old child?  
(15 marks)
2. Discuss the Etiology and management of "Failure to thrive".  
(15 marks)
3. **Write short notes on:**
  - 3A. Rashes in systemic diseases
  - 3B. Inhaled corticosteroids in Asthma
  - 3C. Rotavirus vaccine
  - 3D. Management of febrile neutropenia
  - 3E. Hemolytic uremic syndrome
  - 3F. Limping child
  - 3G. Toxic shock syndrome
  - 3H. Breaking bad news
  - 3I. Gastroschisis
  - 3J. Near drowning

(7 marks × 10 = 70 marks)



**MANIPAL UNIVERSITY****MD (PAEDIATRICS) DEGREE EXAMINATION – OCTOBER 2015****SUBJECT: PAPER IV: GENERAL PAEDIATRICS INCLUDING ADVANCES IN  
PAEDIATRICS RELATING TO CLUSTER – II SPECIALITIES**

Friday, October 09, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Question:**

1. How will you evaluate a 9 years old boy presenting with fulminant hepatic failure?  
(15 marks)
2. Discuss the effects of iron overload in patients with thalassemia major and the role of iron chelation therapy.  
(15 marks)

3. **Write short notes on:**

- 3A. Vesico ureteric reflux
- 3B. Delayed puberty
- 3C. Diabetic ketoacidosis
- 3D. Tumour lysis syndrome
- 3E. Montelukast
- 3F. Management of congestive heart failure
- 3G. Peripheral smear in anemia
- 3H. Drug therapy in nocturnal enuresis
- 3I. Prognostication in childhood ALL
- 3J. Metabolic syndrome

(7 marks × 10 = 70 marks)

