

Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION
MD (PAEDIATRICS) DEGREE EXAMINATION – OCTOBER 2021

PAPER I

Monday, October 11, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Discuss the renal function tests and its diagnostic application
(15 marks)

2. Discuss patho-physiology of acute gastroenteritis
(15 marks)

3. **Write short notes on:**

3A. Lymphoid growth

3B. Renin angiotensin mechanism

3C. Crystalline penicillin

3D. Moro reflex and its clinical significance

3E. Energy expenditure in an infant

3F. Factors influencing cardiac output

3G. Clinical importance of lung volumes

3H. Mineralization of bone and factors influencing

3I. Neutrophil function

3J. Night terror

(7 marks × 10 = 70 marks)



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PAPER II

Tuesday, October 12, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

☞ **Answer ALL the questions.**

☞ **Long Essays:**

1. List out various causes of respiratory distress in a preterm neonate. Describe management of **two** most common causes.

(15 marks)

2. Describe aetiology, pathophysiology, clinical features and management of hypoxic ischemic encephalopathy in a neonate.

(15 marks)

3. **Write Short notes on:**

3A. Cephalohematoma and Caput Succedaneum

3B. Prevention of hypothermia in newborn babies

3C. Management of necrotizing enterocolitis

3D. Phototherapy in neonatal hyperbilirubinemia

3E. Assessment and management of a child (2 months to 5 years) with diarrhea as per 'Integrated Management of Neonatal and Childhood Illnesses'

3F. Nutritional Rehabilitation Center

3G. 'District Early Intervention Center' under National Health Mission

3H. Approaches to reduce infant mortality rate

3I. Janani Shishu Suraksha Karyakaram (JSSK)

3J. Components and strategy of School Health Programme

(7 marks × 10 = 70 marks)



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PAPER III

Wednesday, October 13, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Discuss in detail the clinical approach of primary immunodeficiency disorders.
(15 marks)

2. A 5 year old male child has history of fever since two weeks. Discuss the etiology and clinical approach of fever of unknown origin
(15 marks)

3. **Write Short notes on:**

3A. Gene therapy

3B. Scorpion sting

3C. Immunisation of unimmunized child

3D. Primary dyslipidemias

3E. Vitamin B complex disorders

3F. Transplantation issues in PICU

3G. Mucopolysaccharidosis

3H. Kawasaki disease

3I. Nutritional dermatoses

3J. Childhood glaucoma

(7 marks × 10 = 70 marks)



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PAPER IV

Friday, October 15, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. A 2 year old child is brought with pallor and weakness. O/E has palpable spleen. Investigations revealed hemoglobin of 6, what are the possibilities and how will you approach the case.

(15 marks)

2. When would you suspect resistant congestive cardiac failure and how will you manage it?

(15 marks)

3. **Write short notes on:**

3A. Atypical pneumonia

3B. Management of PDA in an infant

3C. Evaluation of a case of hydronephrosis

3D. Hormonal replacement in adreno genital syndrome

3E. Congenital pyloric stenosis

3F. Tuberculoma

3G. How will you carry out long term follow up of a hypothyroid diagnosed at birth?

3H. How will you confirm diagnosis of Wilsons disease?

3I. Resistant epilepsy

3J. Management of diabetic keto acidosis in emergency room

(7 marks × 10 = 70 marks)

