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MANIPAL ACADEMY OF HIGHER EDUCATION
MD (PAEDIATRICS) DEGREE EXAMINATION – APRIL 2022

PAPER I

Friday, April 01, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Essay Questions:**

1. Enumerate stages of fetal lung development; Write causes, clinical features and management of a baby born with respiratory distress syndrome. (15 marks)

2. Transition of fetal circulation in a newborn baby and management of a blue baby. (15 marks)

3. **Short Notes:**

- 3A. Indications of renal biopsy in nephrotic syndrome
- 3B. Serological course of hepatitis B
- 3C. Classify vitamin A deficiency and management
- 3D. Describe the Blood circulation of brain with diagram
- 3E. Hypernatremia
- 3F. Tocilizumab
- 3G. Management of acetaminophen toxicity in children
- 3H. Oxygen therapy in children
- 3I. Fetal echocardiography
- 3J. Platelet function tests.

(7 marks × 10 = 70 marks)



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PAPER II

Saturday, April 02, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Essay Questions:

1. Define perinatal asphyxia. Discuss the etiology, pathophysiology, clinical staging by sarnat and management of hypoxicischemic encephalopathy.

(15 marks)

2. Discuss the etiology, pathophysiology (with illustration) and clinical presentations of hyaline membrane disease. Discuss its immediate management and preventive strategies.

(15 marks)

3. **Write short notes on:**

3A. Persistent fetal circulation

3B. Extracorporeal membrane oxygenation

3C. Infant mortality rate

3D. Child abuse

3E. Adoption

3F. Neonatal polycythemia

3G. Total parenteral nutrition

3H. Neonatal transport

3I. Apnea of prematurity

3J. IMNCI programme

(7 marks × 10 = 70 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION
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PAPER III

Monday, April 04, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍. Essay Questions:

1. Discuss the advantages of breast feeding over feeding cow's milk in a bottle. List components of 'Baby Friendly Hospital Initiative'.

(15 marks)

2. List out infectious causes of fever with rash in a child. Discuss aetiology, clinical features and management two common viral infections with fever and rash.

(15 marks)

3. **Write short notes on:**

3A. Define 'Severe Acute Malnutrition'. Outline management of complications of severe acute malnutrition.

3B. Pneumococcal vaccines

3C. Kawasaki Disease

3D. Management of organophosphate poisoning in children

3E. Breath holding spell in a one year old child with normal cardiovascular system examination findings.

3F. Aetiology and management of epistaxis in children

3G. Adolescent counseling

3H. Synchronized Intermittent Mandatory Ventilation

3I. Stevens - Johnson syndrome

3J. Assessment of development of a child using a pen and paper

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
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PAPER IV

Tuesday, April 05, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Essay Questions:**

1. Define pediatric stroke. Discuss the causes, clinical features and approach towards Pediatric stroke.

(15 marks)

2. Discuss the etiology, clinical features and approach to hematuria in children.

(15 marks)

3. **Write short notes on:**

3A. Congenital adrenal hyperplasia

3B. Management of Diabetic ketoacidosis

3C. Infective endocarditis

3D. Approach to recurrent respiratory infections

3E. Disseminated intravascular coagulation

3F. Hypothyroidism

3G. Renal tubular acidosis

3H. Portal hypertension

3I. New onset refractory status epilepticus (NORSE)

3J. Cystic fibrosis

(7 marks × 10 = 70 marks)

