

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

PAPER I

Monday, May 03, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Mention the diagnostic criteria of Severe Acute Malnutrition (SAM). Discuss the etiology, clinical features and approach to management of SAM

(15 marks)

2. Discuss the physiological changes during puberty. Discuss the disorders related to precocious puberty.

(15 marks)

3. **Write short notes on:**

3A. Childhood obesity

3B. Enuresis

3C. Metabolic acidosis

3D. Procalcitonin

3E. Pulmonary function tests

3F. Child adoption

3G. Attention deficit hyperactivity disorder

3H. Pediatric palliative care

3I. Scoring system and mortality predictors

3J. Growth charts

(7 marks × 10 = 70 marks)



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PAPER II

Tuesday, May 04, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Discuss the etiology, clinical feature and management of neonatal seizures. (15 marks)

2. Clinical approach to an infant with upper gastrointestinal bleeding. (15 marks)

3. **Write short notes on:**

3A. Intrauterine diagnosis of fetal disease.

3B. Neonatal Transport

3C. Management of Early Onset Neonatal Sepsis

3D. Clinical features of congenital varicella syndrome

3E. Mention the types of tracheoesophageal fistula and its diagnosis, treatment

3F. Amylase Rich Foods

3G. Human Milk Banking

3H. Osteopenia of Prematurity

3I. Explain various types of photochemical reactions occur during phototherapy

3J. HEADSS Screening Interview of Adolescents

(7 marks × 10 = 70 marks)



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PAPER III

Wednesday, May 05, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Essays:

1. Discuss the etiology, clinical features, management of septic shock. (15 marks)

2. A toddler girl presents with fever with rash. Discuss the clinical approach to this case. (15 marks)

3. **Write short notes on:**

3A. Clinical features and treatment of Infantile scabies.

3B. Stepwise approach for managing asthma in children

3C. Human Papilloma Virus Vaccine

3D. Bruton's agammaglobulinemia

3E. Mention the steps of Rapid Sequence Intubation

3F. Diagnostic criteria for Anorexia Nervosa

3G. Mention complications and treatment of Acute Otitis Media

3H. Clinical use of Ophthalmoscope in Pediatrics

3I. Management of Acetaminophen Toxicity

3J. Treatment of Polyarticular Juvenile Idiopathic Arthritis

(7 marks × 10 = 70 marks)



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PAPER IV

Thursday, May 06, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Discuss the pathogenesis, clinical features and management of Tubercular meningitis
(15 marks)

2. A five year old child presents with generalized edima/anasarca of 4 days duration. Discuss the approach to the diagnosis.
(15 marks)

3. **Write short notes on:**

- 3A. H pylori infection
- 3B. Nada's criteria for congenital heart disease
- 3C. Management of Diabetic ketoacidosis
- 3D. SIADH
- 3E. Prognostic factors of ALL
- 3F. Congenital Myotonic Dystrophy
- 3G. Pure red cell aplasia
- 3H. Approach to hematuria in children
- 3I. Clinical features and management of Hepatic encephalopathy
- 3J. Biologic drugs for Juvenile rheumatoid arthritis

(7 marks × 10 = 70 marks)

