

**POST GRADUATE EXAMINATION, JUNE - 2023**

**MD PEDIATRICS  
(PAPER ONE)**

**BASIC SCIENCES AS APPLIED TO PEDIATRICS**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

**Note:** Attempt all questions  
Illustrate with suitable diagrams.

**Q. 1.** Write laboratory approach to diagnosis of an Immune mediated diseases. **(20)**

**Q. 2.** Describe anatomy of urinary bladder and its innervation. Also discuss Vesicouretric reflex **(20)**

**Q. 3. Describe briefly:** **(3 x 10 = 30)**

- a. Adolescent growth spurt
- b. Methyl prednisolone
- c. Formation of cardiac chambers

**Q. 4. Write short notes on:** **(5 x 6 = 30)**

- a. Platelet function defects
- b. Muscle ultrasound and muscle MRI
- c. Insulin pump therapy
- d. Developmental dysplasia of hip (DDH)
- e. Gastroesophageal reflux (GER)

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**POST GRADUATE EXAMINATION, JUNE - 2023**

**MD PEDIATRICS**

**(PAPER TWO)**

**NEONATOLOGY AND COMMUNITY PEDIATRICS**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

**Note:** Attempt all questions  
Illustrate with suitable diagrams.

**Q. 1.** Write pathophysiology and characteristics and problems of Large for Gestation (LGA) infants. (20)

**Q. 2.** Discuss causes of Cyanosis in newborn. How will you manage the 2 days newborn with ductus dependent congenital cardiac defect? (20)

**Q. 3. Describe briefly:** (3 x 10 = 30)

- a. Neonatal stridor
- b. White matter injury in neonatal period
- c. Describe medical and legal perspective of child adoption

**Q. 4. Write short notes on:** (5 x 6 = 30)

- a. Physiological changes in hypothermia
- b. Organization of neonatal transport
- c. fungal infections in newborn
- d. Neonatal intestinal obstruction
- e. Kangaroo mother care

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**MD PEDIATRICS**

**(PAPER THREE)**

**GENERAL PEDIATRICS, SYSTEMIC PEDIATRICS AND PEDIATRIC EMERGENCIES**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

**Note:** Attempt all questions  
Illustrate with suitable diagrams.

**Q. 1.** Discuss its differential diagnosis of a child presenting with jaundice. Discuss in detail about Acute Hepatitis A infection. **(20)**

**Q. 2.** Describe clinical signs of Acute severe and Life threatening Asthma. Write long term outcome of Childhood Asthma. **(20)**

**Q. 3. Describe briefly:** **(3 x 10 = 30)**

- a. Neuropathology of Autism Spectrum Disorder ( ASD )
- b. Limping Child
- c. Restrictive cardiomyopathy

**Q. 4. Write short notes on:** **(5 x 6 = 30)**

- a. Clinical dysmorphology
- b. Risk stratification in Childhood Acute lymphoblastic leukemia
- c. Hydroxychloroquine
- d. Diagnostic work up of Urticaria
- e. Migraine

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**MD PEDIATRICS**

**(PAPER FOUR)**

**RECENT ADVANCES IN PEDIATRICS**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

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**Note:** Attempt all questions  
Illustrate with suitable diagrams.

- Q. 1.** Describe Congestive heart failure. Also discuss its causes, grading and management **(20)**
- Q. 2.** Discuss Management of a child with Type1 Diabetes mellitus. Also discuss recent advances in its management. **(20)**
- Q. 3. Describe briefly:** **(3 x 10 = 30)**
- a. Renal Replacement Therapy ( RRT )
  - b. Multisystem Inflammatory Syndrome in Children ( MIS-C )
  - c. Grading of oesophageal Varices on Endoscopy
- Q. 4. Write short notes on:** **(5 x 6 = 30)**
- a. Antimicrobial treatment of Dysentery
  - b. Acellular Pertussis Vaccine
  - c. Facility based Newborn Care ( FBNC )
  - d. Nocturnal Enuresis
  - e. Fabry's disease.

