

**2406120701010501**  
**EXAMINATION JANUARY 2025**  
**DOCTOR OF MEDICINE**  
**DOCTOR OF MEDICINE ( PAEDIATRICS ) PAPER - I –**  
**LEVEL 1**

[Time: As Per Schedule]

[Max. Marks: 100]

**Instructions:**

1. Fill up strictly the following details on your answer book
  - a. Name of the Examination : DOCTOR OF MEDICINE
  - b. Name of the Subject : DOCTOR OF MEDICINE ( PAEDIATRICS ) PAPER - I - LEVEL 1
  - c. Subject Code No : 2406120701010501
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

- Q.1** Describe fetal circulation. Discuss the pathophysiology of persistent pulmonary hypertension in newborns. **10**
- Q.2** Describe the CSF circulation. Discuss the pathophysiology of hydrocephalus in children. **10**
- Q.3** Write short notes. **10**
- a. Pathophysiology of Pneumonia
  - b. Pathophysiology of Rickets
- Q.4** Write short notes. **10**
- a. One health program
  - b. Mission Indradanush
- Q.5** Write short notes. **10**
- a. Principal of Immunization
  - b. Pathogenesis of Primary Immunodeficiency

- Q.6 Write short notes.** 10  
a. Regulation of body sodium  
b. Liver function test
- Q.7 Write short notes.** 10  
a. Developmental anomalies of the lung  
b. Structure of nephron
- Q.8 Write short notes.** 10  
a. NTEP  
b. Aayushman Bharat
- Q.9 Write short notes.** 10  
a. Study design  
b. GRADE approach in evidence-based medicine
- Q.10 Write short notes.** 10  
a. Lab diagnosis and staging of Hodgkins lymphoma  
b. Histopathologic changes in severe malnutrition

\*\*\*\*\*END\*\*\*\*\*

**2406120701010502**  
**EXAMINATION JANUARY 2025**  
**DOCTOR OF MEDICINE**  
**DOCTOR OF MEDICINE ( PAEDIATRICS ) PAPER - II –**  
**LEVEL 1**

[Time: As Per Schedule]

[Max. Marks: 100 ]

**Instructions:**

1. Fill up strictly the following details on your answer book
  - a. Name of the Examination : DOCTOR OF MEDICINE
  - b. Name of the Subject : DOCTOR OF MEDICINE ( PAEDIATRICS ) PAPER - II - LEVEL 1
  - c. Subject Code No : 2406120701010502
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

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|------------|---|-----------|
| <b>Q.1</b> | Define global developmental delay. Discuss the screening tools for developmental delay.   | <b>10</b> |
| <b>Q.2</b> | Write the WHO classification of dengue Discuss the management of severe dengue in children.   | <b>10</b> |
| <b>Q.3</b> | <b>Write short notes.</b> <ol style="list-style-type: none"><li>a. Autistic Spectrum disorder</li><li>b. Juvenile delinquency</li></ol>       | <b>10</b> |
| <b>Q.4</b> | <b>Write short notes.</b> <ol style="list-style-type: none"><li>a. BERA</li><li>b. Chest Physiotherapy</li></ol>                              | <b>10</b> |
| <b>Q.5</b> | <b>Write short notes.</b> <ol style="list-style-type: none"><li>a. Criteria for pediatric ARDS</li><li>b. Surviving sepsis compaign</li></ol> | <b>10</b> |

- Q.6 Write short notes.** 10  
a. Measles catch-up immunization  
b. Pneumococcal vaccine
- Q.7 Write short notes.** 10  
a. Karyotyping in Down Syndrome  
b. Gene therapy
- Q.8 Write short notes.** 10  
a. Atopic dermatitis  
b. Management of Allergic Rhinitis
- Q.9 Write short notes.** 10  
a. Organophosphorus poisoning  
b. Management of Scorpion sting
- Q.10 Write short notes.** 10  
a. Mental health issues in adolescents  
b. Management of Juvenile Idiopathic arthritis

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**2406120701010503**  
**EXAMINATION JANUARY 2025**  
**DOCTOR OF MEDICINE**  
**DOCTOR OF MEDICINE ( PAEDIATRICS ) PAPER - III –**  
**LEVEL 1**

[Time: As Per Schedule]

[Max. Marks: 100 ]

**Instructions:**

1. Fill up strictly the following details on your answer book
  - a. Name of the Examination : **DOCOTR OF MEDICINE**
  - b. Name of the Subject : **DOCTOR OF MEDICINE ( PAEDIATRICS ) PAPER - III - LEVEL 1**
  - c. Subject Code No : **2406120701010503**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

- Q.1** Outline the etiology of iron deficiency in children. Describe clinical features and approach to the diagnosis of a child suspected to be having nutritional anemia. **10**
- Q.2** Define short stature. Discuss the approach to a child with short stature. **10**
- Q.3** Write short notes. **10**
  - a. Diagnostic criteria of Acute Rheumatic Fever
  - b. Management of Acute exacerbation of Asthma
- Q.4** Write short notes. **10**
  - a. Wilson's disease
  - b. Persistent Diarrhoea
- Q.5** Write short notes. **10**
  - a. Management of sickle cell disease
  - b. Approach to a bleeding child

- Q.6 Write short notes** **10**  
a. Management of acute bronchiolitis  
b. Pulmonary manifestation of HIV infection
- Q.7 Write short notes** **10**  
a. Approach to a child with hematuria  
b. Nocturnal Enuresis
- Q.8 Write short notes** **10**  
a. Movement disorders  
b. Refractory epilepsy
- Q.9 Write short notes** **10**  
a. Management of tumour lysis syndrome  
b. Antimicrobial stewardship in PICU
- Q.10 Write short notes** **10**  
a. Acute Viral Hepatitis  
b. Diagnostic criteria for SLE

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**2406120701010504**  
**EXAMINATION JANUARY 2025**  
**DOCTOR OF MEDICINE**  
**DOCTOR OF MEDICINE ( PAEDIATRICS ) PAPER - IV –**  
**LEVEL 1**

[Time: As Per Schedule]

[Max. Marks: 100 ]

**Instructions:**

1. Fill up strictly the following details on your answer book
  - a. Name of the Examination : **DOCOTR OF MEDICINE**
  - b. Name of the Subject : **DOCTOR OF MEDICINE ( PAEDIATRICS ) PAPER - IV - LEVEL 1**
  - c. Subject Code No : **2406120701010504**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

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|------------|---|-----------|
| <b>Q.1</b> | Discuss the recent update in the management of Asthma according to GINA 2024 guidelines.  | <b>10</b> |
| <b>Q.2</b> | Discuss the recent development in the diagnosis and management of Spinal Muscular Atrophy (SMA).  | <b>10</b> |
| <b>Q.3</b> | <b>Write short notes.</b> <ol style="list-style-type: none"><li>a. Newer Antiepileptic drugs</li><li>b. Newer vaccines</li></ol>                              | <b>10</b> |
| <b>Q.4</b> | <b>Write short notes.</b> <ol style="list-style-type: none"><li>a. New drugs in cystic fibrosis</li><li>b. Recent advances in the management of HUS</li></ol> | <b>10</b> |
| <b>Q.5</b> | <b>Write short notes.</b> <ol style="list-style-type: none"><li>a. Physiological Jaundice in Neonate</li><li>b. Approach to Neonatal Cholestasis</li></ol>    | <b>10</b> |

- Q.6 Write short notes.** 10
- a. Retinopathy of Prematurity
  - b. Neonatal Seizures
- Q.7 Write short notes.** 10
- a. Kangaroo mother care
  - b. Complications in Preterm Neonates
- Q.8 Write short notes.** 10
- a. Lung protective strategies in neonatal ventilation
  - b. Haemorrhagic disease of the new-born
- Q.9 Write short notes.** 10
- a. New-born screening: Tests and Interpretation
  - b. Breast Feeding Hospital Initiative
- Q.10 Write short notes.** 10
- a. Transport of sick new-born
  - b. Recent Advances in NRP

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