

P1007

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RAN - 2406120701010501

RAN-2406120701010501

M. D. (Paediatrics) Examination September - 2025

Paper - I

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

M. D. (Paediatrics)

Name of the Subject :

Paper - I

Subject Code No.: 2406120701010501

Seat No.:

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Student's Signature

- (2) Sketch neat and labelled diagram wherever necessary.
- (3) Figures to the right indicate full marks of the question.
- (4) All questions are compulsory.

Q. 1. Describe normal CSF circulation. Discuss the management of Hydrocephalus.

(10)

Q. 2. Define anion gap and it's utility. Mention clinical features and management of Renal Tubular Acidosis.

(10)

Q. 3. Write short notes.

(5 marks each)

- a. Life cycle approach in Paediatrics
- b. POSHAN Abhiyan

Q. 4. Write short notes.

(5 marks each)

- a. Feeding of 1 year old child as per IMNCI programme
- b. Nerve conduction velocity study

- Q. 5. Write short notes (5 marks each)**
- a. Oral rehydration therapy - Principles and pitfalls.
 - b. Vaccination advice for 2 years old HIV infected unimmunized child.
- Q. 6. Write short notes (5 marks each)**
- a. PCR test
 - b. Adolescent friendly health clinic
- Q. 7. Write short notes (5 marks each)**
- a. Hyponatremia in children
 - b. Pulmonary function tests and interpretation.
- Q. 8. Write short notes (5 marks each)**
- a. Rastriya Bal Suraksha Karyakram (RBSK)
 - b. Management of tachyarrhythmia in children.
- Q. 9. Write short notes (5 marks each)**
- a. Renal biopsy.
 - b. Antenatal Diagnosis of Down's syndrome.
- Q. 10. Write short notes (5 marks each)**
- a. Importance of ethics in research methodology.
 - b. Developmental screening test used in Paediatrics
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P1008



RAN - 2406120701010502

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RAN-2406120701010502

M. D. (Paediatrics) Examination September - 2025

Paper - II

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

M. D. (Paediatrics)

Name of the Subject :

Paper - II

Subject Code No.: 2406120701010502

Seat No.:

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Student's Signature

- (2) Sketch neat and labelled diagram wherever necessary.
- (3) Figures to the right indicate full marks of the question.
- (4) All questions are compulsory.

Q. 1. Define ARDS. Describe diagnosis and management of respiratory failure. (10)

Q. 2. Write in detail approach to child with obesity. (10)

Q. 3. Write short notes on (5 marks each)

- a. Growth charts
- b. Scorpion sting

Q. 4. Write short notes on (5 marks each)

- a. Definition and causes of developmental delay
- b. Lead poisoning in children

Q. 5. Write short notes on (5 marks each)

- a. Cold chain and warm chain
- b. Scurvy

Q. 6. Write short notes on (5 marks each)
a. Sexual maturity rating
b. Sturge weber syndrome

Q. 7. Write short notes on (5 marks each)
a. Refeeding syndrome
b. Ten steps in management of SAM

Q. 8. Write short notes on (5 marks each)
a. Temper tantrums
b. Leprosy in childhood

Q. 9. Write short notes on (5 marks each)
a. Role of Paediatrician in child abuse
b. Congenital central hypoventilation syndrome

Q. 10. Write short notes on (5 marks each)
a. Refractory shock management
b. Newer indications of thalidomide in children


RAN-2406120701010503
M. D. (Paediatrics) Examination September - 2025
Paper - III
Time: 3 Hours]
[Total Marks: 100
સૂચના : / Instructions
(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

M. D. (Paediatrics)

Name of the Subject :

Paper - III

Subject Code No.: 2406120701010503

Seat No.:

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Student's Signature

- (2) Sketch neat and labelled diagram wherever necessary.
- (3) Figures to the right indicate full marks of the question.
- (4) All questions are compulsory.

Q. 1. Discuss approach to a 6 year old child presenting with acute onset symmetric flaccid paralysis of both lower limbs. (10)

Q. 2. Outline approach to child with short stature. (10)

Q. 3. Write short notes on (5 marks each)

- a. Ductus dependent circulation and its complications
- b. Radio-isotope scanning for renal diseases

Q. 4. Write short notes on (5 marks each)

- a. Diagnosis and management of Wilson's disease
- b. Long term complications of childhood diabetes

Q. 5. Write short notes on (5 marks each)

- a. Recombinant human erythropoietin
- b. Organ transplant

- Q. 6. Write short notes on (5 marks each)**
- a. Steroid dependent nephrotic syndrome
 - b. Diagnostic criteria for Acute Rheumatic Fever
- Q. 7. Write short notes on (5 marks each)**
- a. Adrenal Crisis in Congenital adrenal hyperplasia
 - b. Autoimmune encephalitis
- Q. 8. Write short notes on (5 marks each)**
- a. Diagnostic work up in child with suspected thyroid disorder
 - b. Familial periodic paralysis
- Q. 9. Write short notes on (5 marks each)**
- a. Kawasaki disease
 - b. Takayasu arteritis
- Q. 10. Write short notes on (5 marks each)**
- a. Passive smoking
 - b. PANDAS (Paediatric Autoimmune Neuropsychiatry Disorders Associated with Streptococcal Infections)
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RAN-2406120701010504
M. D. (Paediatrics) Examination September - 2025
Paper - IV
Time: 3 Hours]
[Total Marks: 100
સૂચના : / Instructions
(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવટી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

M. D. (Paediatrics)

Name of the Subject :

Paper - IV

Subject Code No.: 2406120701010504

Seat No.:

Student's Signature

- (2) Sketch neat and labelled diagram wherever necessary.
- (3) Figures to the right indicate full marks of the question.
- (4) All questions are compulsory.

- Q. 1. Describe etiology, clinical features, diagnosis and management of PPHN. (10)
- Q. 2. Role of monoclonal antibodies in Paediatric Therapeutics. (10)
- Q. 3. Write short notes on (5 marks each)
 - a. Fetal surgery
 - b. Neonatal transport
- Q. 4. Write short notes on (5 marks each)
 - a. Lung protective strategies in neonatal ventilation
 - b. Recent advances in vaccine delivery devices
- Q. 5. Write short notes on (5 marks each)
 - a. Retinopathy of prematurity
 - b. Application of AI in Paediatric diagnostics

- Q. 6. Write short notes on (5 marks each)**
- a. POCUS
 - b. Therapeutic hypothermia
- Q. 7. Write short notes on (5 marks each)**
- a. Use of prostaglandins in Paediatrics
 - b. Newer therapeutics for management of Hemophilia
- Q. 8. Write short notes on (5 marks each)**
- a. Human milk banking
 - b. Gene therapy
- Q. 9. Write short notes on (5 marks each)**
- a. Management of NEC
 - b. Newborn screening in India
- Q. 10. Write short notes on (5 marks each)**
- a. CPAP applications
 - b. Exome sequencing
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