



RAN-2406120701010504

M. D. (Paediatrics) Examination September - 2025

Paper - IV

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 - IV

Subject Code No.: 2406120701010504

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 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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