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### BB-2106120401010001

#### M. D. (Pediatrics) Examination April - 2022

## Paper - I : Basic Sciences as Applied to Pediatrics

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Tir	me: 3 Hours] [Total Marks: 1	100
_	struction:	
•	નીચે દર્શાવેલ → િશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fillup strictly the details of → signs on your answer book. Name of the Examination :  M. D. (Pediatrics) Name of the Subject :  Paper - I : Basic Sciences as Applied to Pediatrics Subject Code No.:  2 1 0 6 1 2 0 4 0 1 0 1 0 0 0 1  Student's Signature  ompulsory short essay question (SEQ) of 10 marks each	h.
1	Write short notes on "Gene Editing".	10
2	Types of Study Designs.	10
3	Discuss the recent guidelines changes implemented by the European Society for Paediatric Gastroenterology, Hepatology and Nutrition (ESPGHAN) on diagnosing children and adolescents with Celiac Disease.	10
4	Karyotyping for Down syndrome.	10
5	Describe Embryological development of Lungs.	10
6	What do you understand by term "Next Generation Sequencing (NGS)"? List it's common applications in Pediatric practice.	10
7	Describe Development of Heart and management of Atrial Septal Defect.	10

- 8 Discuss the recent changes in the guidelines in management 10 and case definitions of Pediatric Tuberculosis.
- 9 Discuss briefly Glucose metabolism and it's abnormalities. 10
- 10 Draw an algorithmic approach to Inborn Errors of Metabolism.



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## M. D. (Pediatrics) Examination

**April** - 2022

## Paper - II: Neonatology & Community Pediatrics

Time: 3 Hours [Total Marks: 100 Instruction: નીચે દર્શાવેલ 🖝 નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Seat No.: Fillup strictly the details of 🖝 signs on your answer book. Name of the Examination M. D. (Pediatrics) Name of the Subject : Paper - II : Neonatology & Community Pediatrics ◆ Section No. (1, 2,.....): NIL Subject Code No.: Student's Signature 1 0 1 0 4 0  $1\quad 0\quad 2\quad 0\quad 0$ Compulsory short essay question (SEQ) of 10 marks each. 1 Discuss the etiology, pathogenesis, and management of 10 respiratory distress in newborns. 2 Discuss the etio-pathogenesis and management of sepsis 10 in a 5-day old preterm neonate. 3 Write about Prevention and Management of Hypothermia. 10 4 Briefly discuss safety issues in New born ICU and Nursery. 10 5 Write in brief about Rashtriya Bal Swasthya Karyakram 10 (RBSK) ? 6 Approach to 6 days old newborn having bleeding. 10 7 Write briefly on Newborn Screening. 10 Write a note on "Nutritional Rehabilitation". 8 10 9 Benefits of Continuous Positive Airway Pressure (CPAP). 10 10 Clinical features and management of Neonatal Hypocalcemia.

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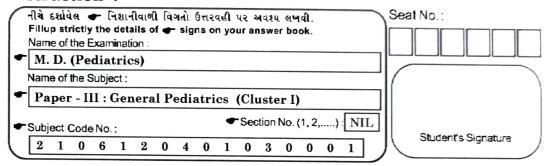
#### BB-2106120401030001

## M. D. (Pediatrics) Examination April - 2022

Paper - III : General Pediatrics (Cluster I)

Time: 3 Hours] [Total Marks: 100

#### **Instruction:**



#### Compulsory short essay question (SEQ) of 10 marks each.

1	Write notes on Somogyi and Dawn phenomenon in type 1 Diabetes.	10
2	Briefly describe Growth Assessment tools for infants.	10
3	WHO Emergency Triage Assessment and Treatment.	10
4	Enlist and define various indicators for Infant and Young Child Feeding - IYCF.	10
5	Write management for Steroid Dependent Nephrotic Syndrome.	10
6	Enlist causes of Acute Flaccid Paralysis (AFP). What do you understand by AFP surveillance?	10
7	How will you deliver "Sexual and Reproductive Health Education" to adolescents.	10
8	GINA Guidelines for Bronchial Asthma in children- Recent changes.	10
9	Write short note on "Acute Encephalitic Syndrome".	10
10	Write in brief the cardiac problems in Thalassemia Major.	10



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## M. D. (Pediatrics) Examination

April - 2022

# Paper - IV : Pediatric Medicine Including Recent Advances (Cluster II)

Time: 3 Hours [Total Marks: 100 Instruction: નીચે દર્શાવેલ 🖝 નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Seat No.: Fillup strictly the details of - signs on your answer book. Name of the Examination M. D. (Pediatrics) Name of the Subject : Paper-IV: Pediatric Medicine Including Recent Advances (Cluster II) ◆ Section No. (1, 2,....): NIL Subject Code No.: Student's Signature 1 0 0 1 Compulsory short essay question (SEQ) of 10 marks each. Recent developments in management of Osteogenesis 1 10 Imperfecta. Algorithm for evaluation of microcytic Anemia in 2 10 children and Management of Iron deficiency anemia. Etiology, Clinical Features, Diagnosis and Management 3 10 of Congenital Cyanotic Heart Diseases in Children. Write a note on "Rare Diseases Policy 2021, India". 4 10 Write short note on "Kawasaki syndrome". 5 10 Recent development in diagnosis and management of 6 10 Spinal Muscular Atrophy (SMA). 7 Discuss the approach to the management of a 5-year-old 10 child with hematuria. Write a note on "Genetic Counseling for Down Syndrome". 8 10 9 Uses of "Public Cord Blood Banking". 10 Define nocturnal enuresis in children and discuss its **10** 10 management.