



BB-2106120401010001

M. D. (Pediatrics) Examination

April 2022

Paper - I : Basic Sciences as Applied to Pediatrics

Time : 3 Hours]

[Total Marks : 100

Instruction :

नीचे दशावेक निशानीवाणी विजतो उत्तरवली पर अवश्य लक्ष्मी.
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

Section No. (1, 2,.....) : NIL

Subject Code No. :
2 1 0 6 1 2 0 4 0 1 0 1 0 0 0 1

Seat No. :
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Student's Signature

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

- 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

BB-2106120401010001]

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

Instruction :

Write short notes on "Gene Editing".

Types of Study Designs.

Discuss the recent guidelines changes implemented by the European Society for Pediatric Gastroenterology, Hepatology and Nutrition (ESPGHAN) on diagnosing children and adolescents with Celiac Disease.

Karyotyping for Down syndrome.

Describe Embryological development of Lungs.

What do you understand by term "Next Generation Sequencing (NGS)"? List its common applications in Pediatric practice.

Describe Development of Heart and management of Atrial Septal Defect.

Compulsory short essay question (2e) of 10 marks each.

- 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 Pediatric 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 its common applications in Pediatric practice. 10
- 7 Describe Development of Heart and management of Atrial Septal Defect. 10



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M. D. (Pediatrics) Examination

April - 2022

Paper - II : Neonatology & Community Pediatrics

Time : 3 Hours]

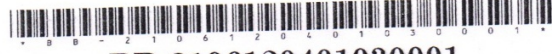
[Total Marks : 100

Instruction :

नीचे दशांशक निशानीवाणी विगतो उत्तरवही पर अवश्य लिखी. Fillup strictly the details of signs on your answer book. Name of the Examination : <input type="text" value="M. D. (Pediatrics)"/> Name of the Subject : <input type="text" value="Paper - II : Neonatology & Community Pediatrics"/> Subject Code No. : <input type="text" value="2 1 0 6 1 2 0 4 0 1 0 2 0 0 0 1"/>	Section No. (1, 2,.....): <input type="text" value="NIL"/> Student's Signature
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Compulsory short essay question (SEQ) of 10 marks each.

- 1 Discuss the etiology, pathogenesis, and management of respiratory distress in newborns. 10
- 2 Discuss the etio-pathogenesis and management of sepsis in a 5-day old preterm neonate. 10
- 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 (RBSK) ? 10
- 6 Approach to 6 days old newborn having bleeding. 10
- 7 Write briefly on Newborn Screening. 10
- 8 Write a note on "Nutritional Rehabilitation". 10
- 9 Benefits of Continuous Positive Airway Pressure (CPAP). 10
- 10 Clinical features and management of Neonatal Hypocalcemia. 10



BB-2106120401030001
M. D. (Pediatrics) Examination
April - 2022
Paper - III : General Pediatrics
(Cluster I)

Time : 3 Hours]

[Total Marks : 100

Instruction :

नीचे द्वावेक निशा-नीवाणी विजते ढतरवकी पर अवश्य लमवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
M. D. (Pediatrics)

Name of the Subject :
Paper - III : General Pediatrics (Cluster I)

Section No. (1, 2,.....): NIL

Subject Code No.:
2 1 0 6 1 2 0 4 0 1 0 3 0 0 0 1

Seat No.:

Student's Signature

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.
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)

Subject Code No. : Section No. (1, 2,.....) : NIL

2 1 0 6 1 2 0 4 0 1 0 4 0 0 0 1

Seat No. :

Student's Signature

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

- 1 Recent developments in management of Osteogenesis Imperfecta. 10
- 2 Algorithm for evaluation of microcytic Anemia in children and Management of Iron deficiency anemia. 10
- 3 Etiology, Clinical Features, Diagnosis and Management of Congenital Cyanotic Heart Diseases in Children. 10
- 4 Write a note on "Rare Diseases Policy 2021, India". 10
- 5 Write short note on "Kawasaki syndrome". 10
- 6 Recent development in diagnosis and management of Spinal Muscular Atrophy (SMA). 10
- 7 Discuss the approach to the management of a 5-year-old child with hematuria. 10
- 8 Write a note on "Genetic Counseling for Down Syndrome". 10
- 9 Uses of "Public Cord Blood Banking". 10
- 10 Define nocturnal enuresis in children and discuss its management. 10

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