

Aug-2028

**BLDE (DEEMED TO BE UNIVERSITY)
POST GRADUATE DEGREE EXAMINATION**

[Time: 3 Hours]

[Max. Marks: 100]

MD PAEDIATRICS – PAPER - I

QP CODE: 5057

Your answer should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.
Each answer should be written on new page only.
Write Question No. in the middle of the page.

Long Essay

2x20=40 Marks

1. Describe the maturation of the respiratory system in children. Apply this knowledge to explain the pathophysiology of respiratory distress syndrome and bronchiolitis.
2. Discuss nutritional biochemistry in paediatrics. Analyse the role of macro- and micronutrients in growth and development, and relate deficiencies to clinical disorders.

Short Essay

6x10=60 Marks

3. Describe foetal growth and development stages.
4. Explain the physiology of thermoregulation in neonates.
5. Outline haematopoiesis in children.
6. Discuss the enzymatic basis of inborn errors of metabolism.
7. Describe the endocrine regulation of growth in children.
8. Describe the principles of fluid and electrolyte correction in dehydrated children.

19/08

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[Time: 3 Hours]

[Max. Marks: 100]

MD PAEDIATRICS – PAPER - II

QP CODE: 5058

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in the middle of the page.

Long Essay

2x20=40 Marks

1. A term neonate develops severe respiratory distress immediately after birth. Examination reveals a scaphoid abdomen and absent breath sounds on the left side. Discuss diagnosis of congenital diaphragmatic hernia, initial stabilization, ventilatory management, surgical management, and prognostic factors
2. A 4-day-old newborn develops generalized tonic-clonic seizures. Discuss differential diagnosis, clinical evaluation, investigations and management of neonatal seizures

Short Essay

6x10=60 Marks

3. Anaemia of prematurity
4. Developmental supportive care in NICU
5. Pulse oximetry screening in neonates.
6. Prevention and management of bronchopulmonary dysplasia(BPD)
7. Adolescent friendly health service under the National Adolescent Health Programme (RKSK)
8. Role of Paediatrician in school health services.

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[Max. Marks: 100]

**MD PAEDIATRICS – PAPER - III
QP CODE: 5059**

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in the middle of the page.

Long Essay

2x20=40 Marks

1. Describe the etiology, pathophysiology, clinical features, diagnosis, management, complications and prevention of diabetic ketoacidosis in children.
2. Discuss the etiology, epidemiology, pathogenesis, clinical features, diagnosis, management, complications, prevention and control of measles in children.

Short Essay

6x10=60 Marks

3. Status epilepticus in PICU—stabilization and management.
4. Approach to developmental delay.
5. Genetic testing and genetic counselling in pediatric practice.
6. Management of Juvenile Idiopathic Arthritis (JIA) in children.
7. Role of HEEADSSS assessment in the comprehensive psychosocial evaluation of adolescents.
8. Screening and management of Autism spectrum disorder in children.

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[Time: 3 Hours]

[Max. Marks: 100]

MD PAEDIATRICS - PAPER - IV
QP CODE: 5060

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in the middle of the page.

Long Essay

2x20-40 Marks

1. A 12-year-old girl presents with polyuria, polydipsia, weight loss and vomiting. She is drowsy with severe dehydration. Investigations confirm hyperosmolar nonketotic hyperglycaemic state. Discuss pathophysiology, diagnostic criteria, fluid therapy, and complications.
2. A 6-year-old child presents with jaundice, coagulopathy and altered sensorium following acute viral hepatitis. Discuss aetiology, clinical features, investigations and management of Acute liver Failure.

Short Essay

6x10-60 Marks

3. Factor replacement and Gene therapy in Haemophilia
4. Approach to a child with Congenital Heart Disease in Infancy
5. Rehabilitation of children with cerebral palsy
6. Long term management of bronchial asthma in children.
7. Evaluation and management of gynecomastia in adolescents
8. Approach to a child with eosinophilia