Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 21-Jun-2024

[Time: 3 Hours] **[Max. Marks: 100]**

PAEDIATRICS - PAPER – I (RS-2/RS-3)
FOETAL AND NEW BORN
Q.P. CODE: 7371

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. Define pathophysiology, clinical features, delivery room management, supportive care and respiratory support of a newborn with meconium aspiration syndrome.

2. Outline the various modalities of temperature loss in a newborn. What are the modes of monitoring the temperature and measures to optimize the thermoregulation in preterm infant?

3. Enumerate the various medical conditions that could be screened in the newborn period. What are the aims, rationale, clinical features and evidence basis for screening congenital hypothyroidism in the newborn period?

4. Outline the process involved in the information gathering, clinical assessment and safe transfer of a newborn baby from a community to teaching hospital.

5. Outline the etiology, pathophysiology, clinical features, management and prognosis of neonatal seizures.

6. Describe the epidemiology, pathogenesis, congenital abnormalities, perinatal morbidity and mortality of an infant born to a diabetic mother.

7. Review the pathophysiology, clinical and diagnostic evaluation of a newborn with Disorder of Sex Development (DSD).

8. Outline the differential diagnosis of unconjugated jaundice. Explain the clinical management of a jaundiced Neonate including the guidelines for the use of phototherapy, pharmacological agents and exchange transfusion.

9. Describe the pathophysiology, clinical features and management of Persistent pulmonary hypertension of the Newborn.

10. Write the clinical features and management of congenital diaphragmatic hernia.

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M.D. Degree Examination - 24-Jun-2024

[Time: 3 Hours] **[Max. Marks: 100]**

PAEDIATRICS - PAPER – II (RS-2/RS-3)
GENERAL PAEDIATRICS –I
Q.P. CODE: 7372

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. Approach to a child with recurrent persistent lower respiratory tract infection.
2. Define, write the pathophysiology, etiology, management and follow-up plan of cerebral palsy.
3. Outline the Clinical Presentation, Differential Diagnosis, Investigations and management of B-Thalassemia.
4. Write the causes, investigation and management of failure to thrive in a 3-year-old child.
5. Write the approach to a child with bed wetting and write the management.
6. Write the pathology, clinical manifestation and management of Neuroblastoma.
7. Write the causes, clinical features, investigations and management of Hypothyroidism in children.
8. Write the classification, etiology, clinical features, investigations and management of Rickets.
9. Ataxia telangiectasia.
10. Di George Syndrome

M.D. Degree Examination – 26-Jun-2024

[Time: 3 Hours] **[Max. Marks: 100]**

PAEDIATRICS - PAPER – III
(RS-2/RS-3)
GENERAL PAEDIATRICS –II
Q.P. CODE: 7373

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. A child is admitted with fever, petechial rashes, hematemesis and shock. He has low total leukocyte and platelet counts. What is your diagnosis? Outline the management.
2. A 10-year old child is admitted with massive edema and proteinuria. Discuss the differential diagnosis and management. Add a note on overfill and under fill hypothesis.
3. WHO Approved Rapid Diagnostic Tests in Tuberculosis and recent advances in treatment.
4. Hemophagocytic Lympho Histiocytic syndromes.
5. CVS related Channelopathies.
6. Eating disorders among adolescents.
7. Diagnosis and management of Ano-Rectal Malformations.
8. Non-Alcoholic Steato-Hepatitis.
9. Vaccines storage and cold chain management.
10. Grading and diagnosis of Vesico Urethral Reflux (VUR)

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M.D. Degree Examination – 28-Jun-2024

[Time: 3 Hours] **[Max. Marks: 100]**

PAEDIATRICS - PAPER – IV (RS-2/RS-3)
SOCIAL PAEDIATRICS AND PAEDIATRIC EMERGENCIES
Q.P. CODE: 7374

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions **10 X 10 = 100 Marks**

1. Describe the approach to an obese child.
2. Evaluation of a child with syncope.
3. Staphylococcal scalded skin syndrome.
4. Infantile hemangioma.
5. Prevention of sexual abuse in children.
6. Discuss principles and considerations for new vaccine introduction in national immunization program in India.
7. Describe the management of a 6-year-old child with status epilepticus.
8. Pediatric Advanced Life Support (PALS) Bradycardia Algorithm.
9. Causes and treatment of metabolic acidosis in children.
10. Genetic counselling.

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