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MD Pediatrics
EXAMINATION, MAY 2018

Paper First

APPLIED BASIC SCIENCES IN PAEDIATRICS

Time: Three Hours]

[Maximum Marks: 100

Note: Attempt all questions. Draw well labeled diagrams wherever necessary.

1. Discuss calcium homeostasis & role of vitamin D in calcium metabolism in intestines, bone & kidneys. Describe briefly the management of Vitamin D resistant rickets. [25]
2. Describe H^+ ion homeostasis & acid base balance in children. How does body manage in metabolic acidosis & respiratory alkalosis. [25]
3. Write short notes. [10x5]
 - a. Coagulation cascade & its clinical implications
 - b. Essential fatty acids
 - c. Adverse drug reactions of aminoglycosides
 - d. Adverse drug reactions of Blood transfusions
 - e. IMNCI

Printed page (s): 1

Paper Code: MD-138

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MD Pediatrics
EXAMINATION, MAY 2018
Paper Second
CLINICAL PAEDIATRICS

Time: Three Hours]

[Maximum Marks: 100

Note: Attempt all questions. Draw well labeled diagrams wherever necessary.

1 Discuss briefly etiology & management of Neonatal Hepatitis Syndrome. [20]

2 Enumerate the classifications of congenital cyanotic heart disease & discuss the pathophysiology & management of complications of fallot's tetralogy. [20]

3 Write Short notes.

[10x6]

- a. Spirometry in childhood Asthma
- b. Supraventricular tachycardia.
- c. Rapid diagnostic test in Malaria
- d. Carbapenemes
- e. ECG changes in hyperkalemia
- f. Newer diagnostic modalities for tuberculosis

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Paper Code: MD-139

Roll No.

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MD Pediatrics
EXAMINATION, MAY 2018

Paper Third

NEONATOLOGY, DEVELOPMENTAL PAEDIATRICS, CNS, RENAL
Time: Three Hours] [Maximum Marks: 100

Note: Attempt all questions. Draw well labeled diagrams wherever necessary.

1. Discuss the differential diagnosis & management of progressive developmental delay in a one year old child. [20]
2. Describe the pathophysiology of hyaline membrane disease (HMD) in newborns. Outline important available strategies to prevent HMD. Discuss the measures to prevent lung injury & bronchopulmonary dysplasia in a preterm baby. [20]
3. Write short notes on - [10×6=60]
 - a. Urinary indices in 'Acute Renal Failure"
 - b. Pediatric RIFLE criteria for acute kidney injury
 - c. Neural tube defects- Predisposing factors, prevention & types
 - d. Childhood stroke
 - e. Polycythemia in newborn
 - f. Frequently relapsing & steroid dependent nephrotic syndrome

Printed page (s): 1

Paper Code: MD-140

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MD Pediatrics
EXAMINATION, MAY 2018
Paper Fourth
SPECIALTIES OF PAEDIATRICS MEDICINE
& RECENT ADVANCES

Time: Three Hours]

[Maximum Marks: 100

Note: Attempt all questions. Draw well labeled diagrams wherever necessary.

1. Discuss the impact of environmental pollution on fetal & child health. What preventive measures you will suggest safeguard them. [25]
2. Diagnosis & management of autism spectrum disorders & role of genomic evaluations. [25]
3. Write short notes on: [10x5]
 - a. Use of blood components in children
 - b. Vaccination under special circumstances
 - c. Immune & cognitive effects of fetal & childhood iron deficiency
 - d. Diagnosis & management of cow milk protein intolerance
 - e. Evaluation & management of developmental hip dysplasia
