

108-NR

M.D. DEGREE EXAMINATION –OCTOBER, 2014

PAEDIATRICS

Paper-I: Basic Medical Sciences

Time : 3 Hours

Max. Marks:100

Note: Answer all questions.

All questions carry equal marks.

Draw neat diagrams wherever necessary

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WRITE SHORT ESSAYS ON THE FOLLOWING:

1. Enumerate factors that cause pulmonary vasoconstriction and pulmonary vasodilatation in neonates and describe the pathophysiology of persistent pulmonary hypertension of new born.
2. Discuss the daily requirement, role and assessment of adequacy of vitamin D in children.
3. Discuss the use of Anticoagulants and Thrombolytics in children.
4. Discuss the pathophysiology and management of Supraventricular tachycardia.
5. Describe the statistical tests that are used to evaluate a new diagnostic test.
6. Describe the pathogenesis of Glomerular diseases in children.
7. Describe the mechanism of action and side effects of drugs used to treat steroid resistant Nephrotic syndrome.
8. Enumerate the causes of Congestive heart failure in children and describe mechanism of action of drugs used for its treatment.
9. Describe Molecular diagnostic techniques for detecting pathogens.
10. Describe the diagnosis and treatment of Hyperkalemia in children.

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