

QP Code: 101111

Reg. No.:.....

PG Degree Examinations in Paediatrics (MD) April 2018

Paper I – Basic Science Applied to Paediatrics

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay: (20)

1. Discuss the factors affecting calcium homeostasis. Discuss the diagnostic approach and treatment of hypocalcemia in an infant. (5+10+5)

Short essays: (8x10=80)

2. Relate the anatomy of the pyramidal tract (corticospinal tract) to childhood stroke
3. Describe the laws of progression of gross motor development
4. Renal mechanisms of childhood hypertension
5. Analysis of an arterial blood gas
6. Coagulation pathway in health and disease
7. Discuss the challenges of the management of a dying child
8. Doctor -patient relationships and its contribution to violence against doctors
9. Risk factors and mechanisms of antibiotic resistance
