

QP Code: 101111

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Paediatrics
(MD) May 2021**

Paper I – Basic Science Applied to Paediatrics

Time: 3 hrs

Max marks:100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay:

(20)

1. Discuss thyroid hormone synthesis and add a note on diagnosis and management of congenital hypothyroidism

Short Essays:

(8x10=80)

2. Discuss the pathogenesis of Graft Versus Host Disease (GVHD).
3. Explain molecular basis of thalassemia major and minor.
4. Discuss the pathophysiological abnormalities in Diabetic Ketoacidosis (DKA).
5. Free radicals.
6. Interpretation of serological tests for intrauterine infections in infancy.
7. Development of the heart.
8. Pathogenesis of cerebral oedema.
9. Pulmonary function tests
