

QP Code: 101111

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Paediatrics
(MD) July 2023**

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. Describe the development of heart. Write a note on cardiac cycle. Discuss the hemodynamics in ventricular septal defect

Short Essays:

(8x10=80)

2. CBNAAT (Cartridge Based Nucleic Acid Amplification Test) in tuberculosis
3. Adolescent Immunization.
4. Pulse oximetry - principle, uses and shortfalls.
5. Describe the various modes of Mechanical ventilation in pediatrics.
6. Guidelines for the disposal of biomedical waste.
7. Radionuclide imaging in pediatrics
8. Pedigree chart - components and applications to pediatrics
9. Digoxin - Mechanism of action, pharmacokinetics, pharmacodynamics, uses and toxicity.
