QP Code: 101111	Reg. No.:
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## 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)

 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
- 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.

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