

**QP Code:101506**

**Reg.No.:.....**

**M.Ch. (Pediatric Surgery) Degree Regular/Supplementary Examinations  
August 2021**

**Paper I – Basic Medical Sciences Relevant to Pediatric Surgery**

**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 Midgut Mal-rotation under the following headings
  - Embryology of the rotation and fixation of the Midgut.
  - Clinical features and investigative modalities.
  - Physiologic basis of the operative correction
  - Merits and demerits of laparoscopic Ladd's procedure

**Short essays: (8x10=80)**

2. Stem cell therapy.
3. Persistent fetal circulation
4. Metabolic and electrolyte disturbances in hypertrophic pyloric stenosis and its correction
5. Enteral nutritional support.
6. Positive end expiratory pressure.
7. Pulse oximetry.
8. Isotope scintigraphy in the evaluation of a jaundiced child.
9. Principles of MRI Imaging

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