

**THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY**

**(MCH 0822)**

**AUGUST 2022**

**Sub. Code: 1701**

**M.Ch. – PAEDIATRIC SURGERY**

**Paper I – BASIC SCIENCES APPLIED TO PAEDIATRIC SURGERY**

*Q.P. Code: 181701*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Elaborate on:** **(2 x 15 = 30)**

1. Describe the normal process of intestinal rotation and fixation during fetal life. What are the clinical features of malrotation of gut? Discuss the radiological investigations and operative management of a child with malrotation and midgut volvulus.
2. Describe the development of biliary tract. Discuss the clinical presentation, diagnostic modalities and management of biliary atresia. Add a note on liver transplantation for biliary atresia.

**II. Write notes on:** **(10 x 7 = 70)**

1. Facial Clefts.
2. Horse Shoe Kidney.
3. Urodynamic Study.
4. Post Obstructive Diuresis.
5. Haemangio endothelioma.
6. Tumour Markers.
7. Actinomycin-D.
8. Shah-Waardenburg syndrome.
9. Embryology of Testicular descent.
10. High frequency ventilation.

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