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**MANIPAL UNIVERSITY****M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2009****SUBJECT: PAPER I: BASICS IN PAEDIATRIC SURGERY**

Wednesday, July 01, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

1. Describe normal sexual differentiation in fetus. Classify disorders of sexual differentiation.
2. Explain the metabolic and electrolyte disturbances after bladder augmentation.
3. Discuss fetal circulation and changes at birth.
4. Scope of stem cells in Paediatric Surgery.
5. Principles of Organ Transplantation.
6. Causes of Acid-Base imbalance in fetus and neonate.
7. Discuss Neonatal hypoglycemia.
8. Discuss principles of resuscitation of a one year old child with 25% burns.
9. Life cycle of *Ascaris lumbricoides*.
10. Well-tampered diuretic renogram.





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**M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2009**

**SUBJECT: PAPER III: NEONATAL SURGERY AND PAEDIATRIC UROLOGY**

Friday, July 03, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

**✍ Answer ALL questions.**

**✍ Essay:**

1. Describe the embryopathogenesis of bladder extrophy.
2. Discuss the various techniques for continent bladder repair.

(10×2 = 20 marks)

**✍ Write short notes on:**

3. HIDA scan.
4. Liquid ventilation.
5. Stage IV S. neuroblastoma.
6. Neonatal isoimmune thrombocytopenia.
7. Polyhydramnios.
8. Small left colon syndrome.
9. Vitello intestinal duct.
10. Multicystic dysplastic kidney.

(10×8 = 80 marks)



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**M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2009**

**SUBJECT: PAPER IV: RECENT ADVANCES IN PAEDIATRIC SURGERY**

Saturday, July 04, 2009

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

**✍ Essay:**

1. Describe the pathophysiology of neonatal necrotizing enterocolitis.
2. What are the complications, diagnosis and management of NEC?

(10×2 = 20 marks)

**✍ Write short notes on:**

3. Vesico amniotic shunt.
4. Haemophilia.
5. Urinary diversion.
6. Meconium pseudocyst.
7. High frequency ventilation.
8. Achalasia cardia.
9. Management haemangioma.
10. Foetus in foetu.

(10×8 = 80 marks)

