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# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

**M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2003**

**SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO PAEDIATRIC SURGERY**

Tuesday, July 01, 2003

Time: 3 Hrs.

Max. Marks: 100

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**Answer all the questions**

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1. Describe the process of thermoregulation in a newborn. Discuss the measures to be taken to prevent the development of hypothermia in a neonate. Briefly mention the complications of hypothermia.

(15+10+5 = 30 marks)

2. Discuss the embryogenesis of congenital lung cysts. Describe the management of a fetus with an antenatal diagnosis of Congenital Cystic Adenomatoid Malformation.

(10+20 = 30 marks)

3. Short Notes:

3A. MRI.

3B. Surgical anatomy of the Liver.

3C. Lower esophageal sphincter.

3D. Acetazolamide.

(10×4=40 marks)



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# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2003

### SUBJECT: PAPER II: SYSTEMIC AND REGIONAL PAEDIATRIC SURGERY

Wednesday, July 02, 2003

Time: 3 Hrs.

Max. Marks: 100

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**Answer all the questions**

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1. Classify ureterocoeles. Discuss the clinical presentation and investigations in a case and briefly outline the management of a case which presents with urosepsis.

(5+25 = 30 marks)

2. What are the investigations to confirm a diagnosis of GERD? What are the indications of surgery in GERD? Briefly describe two surgical procedures used for the management of GERD.

(10+5+15 = 30 marks)

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3. Short Notes:

(10×4 = 40 marks)

3A. Epignathus

3B. Long term outcome in patients with Hirschsprung's disease

3C. Branchial cysts

3D. Stage IVS neuroblastoma



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# MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

## M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2003

**SUBJECT: PAPER III: RECENT ADVANCES AND NEONATAL SURGERY**

Thursday, July 03, 2003

Time: 3 Hrs.

Max. Marks: 100

**Answer all the questions**

1. What are the basic principles of Laser? Classify Lasers. Describe the various applications of Lasers in Paediatric Surgery, and compare them to conventional alternatives.

(10+5+15 = 30 marks)

2. Discuss the pathophysiology of neonatal sepsis. Describe the causes of sepsis in a newborn and discuss in brief the investigations and treatment of such a case.

(15+15 = 30 marks)

3. Short Note:

3A. Chylous ascites.

3B. Liquid ventilation.

3C. Potter's syndrome.

3D. TIPS.

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(10×4 = 40 marks)

