

MANIPAL UNIVERSITY**M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2015****SUBJECT: PAPER I: BASIC SCIENCES IN PAEDIATRIC SURGERY**

Tuesday, July 14, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay:**

1. Discuss nutritional support in children under following headings:

1A. Indications

1B. Method

1C. Monitoring

1D. Complications

(5+6+3+6 = 20 marks)

2. Discuss the surgical anatomy of the liver and principles of liver resection. Briefly discuss the pathology and staging of Hepatoblastoma.

(20 marks)

3. **Write short notes on:**

3A. Embryology of sexual differentiation

3B. Neonatal sepsis

3C. Prenatal diagnosis

3D. Beckwith Weidemann syndrome

3E. MIBG scan

3F. Malignant Hyperthermia

(10 marks × 6 = 60 marks)



MANIPAL UNIVERSITY**M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2015****SUBJECT: PAPER II: GENERAL PAEDIATRIC SURGERY**

Wednesday, July 15, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

 **Answer ALL the questions.**

 **Long Essay:**

1. Discuss the clinical features, evaluation, management and prognosis of neuroblastoma. (20 marks)
2. Discuss the embryogenesis of lung cysts. Describe the management of congenital cystic adenomatoid malformation in children. (20 marks)

3. **Write short notes on:**

- 3A. Prolapse Rectum
- 3B. ileo-colic Intussusception
- 3C. Caroli's disease
- 3D. Total Colonic Aganglionosis
- 3E. Thyroglossal cyst
- 3F. Management of bleeding esophageal varices

(10 marks × 6 = 60 marks)



MANIPAL UNIVERSITY**M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2015****SUBJECT: PAPER III: NEONATAL SURGERY AND PAEDIATRIC UROLOGY**

Thursday, July 16, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essay:**

1. Describe the investigations, pre-operative management and operative procedures and complications in a new born baby with posterior urethral valve.

(20 marks)

2A. Enumerate the causes of acute respiratory distress in newborns.

2B. Describe Embryology of diaphragm.

2C. Management of Congenital Diaphragmatic Hernia

(5+5+10 = 20 marks)

3. **Write short notes on:**

3A. Familial polyposis coli

3B. Multicystic Dysplastic Kidney

3C. Hypospadias cripple

3D. Testicular Feminisation Syndrome

3E. Congenital Pouch Colon

3F. Lower Urinary tract Urodynamics

(10 marks × 6 = 60 marks)



MANIPAL UNIVERSITY**M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2015****SUBJECT: PAPER IV: RECENT ADVANCES IN PAEDIATRIC SURGERY**

Friday, July 17, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Questions:**

1. Discuss fetal anomalies amenable to surgery before birth and various procedures done. Discuss access, management of mother and fetus and risks involved in fetal surgery.

(20 marks)

2. Describe the process of thermoregulation in a newborn. Discuss the measures to be taken to prevent the development of hypothermia in a neonates. Briefly mention the complication of hypothermia.

(20 marks)

3. **Short Questions:**

3A. Robotic surgery in paediatric surgery

3B. Radionuclide studies in paediatric urology

3C. Epispadias repair

3D. Oncogenes

3E. Slit ventricle

3F. Diagnosis in Hirschsprung's disease

(10 marks × 6 = 60 marks)

