

Reg. No.

MANIPAL UNIVERSITY

M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2017

SUBJECT: PAPER I: BASIC SCIENCES IN PAEDIATRIC SURGERY

Monday, July 10, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay:**

1. Discuss various techniques of central venous access. Give the merits and demerits of various techniques, complications and treatment.

(20 marks)

2. Describe Etiology, Pathogenesis, Clinical features and Management of Empyema Thoracis.

(20 marks)

3. **Write short notes on:**

3A. Environmental causes of congenital abnormalities

3B. Beckwith Weidemann syndrome

3C. CSF production and circulation

3D. Metabolic acidosis

3E. MAG3 scan

3F. Embryology of Diaphragmatic hernia

(10 marks × 6 = 60 marks)



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MANIPAL UNIVERSITY**M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2017****SUBJECT: PAPER II: GENERAL PAEDIATRIC SURGERY**

Tuesday, July 11, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay:**

1. Discuss various types of mediastinal masses, clinical features and management in paediatric age group.

(20 marks)

2. Describe the evaluation and immediate management of a child with blunt injury abdomen. Discuss the role of non operative management and spleen preserving surgery in a child with splenic injury.

(20 marks)

3. **Write short notes on:**

3A. Gastroschisis

3B. Total Colonic Aganglionosis

3C. Hydrostatic reduction

3D. Branchial fistula

3E. Trichobezoar

3F. Chylothorax

(10 marks × 6 = 60 marks)



MANIPAL UNIVERSITY**M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2017****SUBJECT: PAPER III: NEONATAL SURGERY AND PAEDIATRIC UROLOGY**

Wednesday, July 12, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay:**

1. Discuss the embryology, classification and investigations of a newborn of Anorectal Malformation.

(20 marks)

2. Describe the development of ureter and recent trends in the management of Vesicoureteric Reflux.

(20 marks)

3. **Write short notes on:**

3A. Testicular feminization syndrome

3B. Multicystic kidney

3C. Meconium peritonitis

3D. Valve Bladder

3E. Metabolic and electrolyte disturbances after bladder augmentation

3F. Ventilatory strategies in Congenital Diaphragmatic Hernia

(10 marks × 6 = 60 marks)



MANIPAL UNIVERSITY**M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2017****SUBJECT: PAPER IV: RECENT ADVANCES IN PAEDIATRIC SURGERY**

Thursday, July 13, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Long questions:**

1. Discuss briefly the principles involved in organ transplantation. Mention the indications, contra indications and complications of liver transplantation.

(20 marks)

2. Discuss the guidelines of organizing a neonatal surgical unit.

(20 marks)

3. **Short questions:**

3A. Video Assisted Thoracoscopic Surgery (VATS) in Paediatric Surgery

3B. Ingested Foreign bodies

3C. High frequency oscillatory ventilation

3D. Sclerotherapy for lymphangioma

3E. Vesicoamniotic shunt

3F. Endoscopic treatment of vesicoureteric reflux

(10 marks × 6 = 60 marks)

