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MANIPAL ACADEMY OF HIGHER EDUCATION

(Deemed University)

M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2006

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

Monday, July 03, 2006

Time: 3 Hrs.

Max. Marks: 100

Answer all the questions

1. Describe the process of development of genital organs. How are intersex disorders classified? Briefly outline the investigations required in a case of inter sex.

(15+5+10 = 30 marks)

2. Describe fetal circulation and its transition in a newborn. What is the pathophysiology of Persistent Pulmonary Hypertension of the Newborn (PPHN)? Describe the management strategy for an infant with PPHN.

(15+5+10 = 30 marks)

3. Short Notes:

3A. Pulmonary air leak syndrome.

3B. Adriamycin.

3C. Slit ventricle Syndrome.

3D. Maternal serum alpha feto-protein.

(10×4 = 40 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
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M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2006

SUBJECT: PAPER II: SYSTEMIC AND REGIONAL PAEDIATRIC SURGERY
Tuesday, July 04, 2006

Time: 3 Hrs.

Max. Marks: 100

Answer all the questions.

1. Describe the etiopathogenesis of primary vesicoureteral reflux. Discuss the conservative management and follow up protocol in a case of VUR. List the indications of surgery in a case of VUR.

(10+15+5 = 30 marks)

2. Classify germ cell tumors. Describe the presentation, investigations and management in a case of sacrococcygeal teratoma.

(5+25 = 30 marks)

3. Short Notes:

3A. Androgen imprinting.

3B. Dry fulguration.

3C. Necrotising fasciitis.

3D. Hypospadias cripple.

(10×4 = 40 marks)



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M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2006

SUBJECT: PAPER III: RECENT ADVANCES AND NEONATAL SURGERY

Wednesday, July 05, 2006

Time: 3 Hrs.

Max. Marks: 100

Answer all the questions.

1. What are the indications for a liver transplant? What are the pre-operative investigations required for a live related liver transplant? Mention briefly about the problem of rejection of a liver transplant and outline the postoperative treatment and follow up of a patient with transplant.

(5+10+15 = 30 marks)
2. What is meant by the hidden mortality of diaphragmatic hernia? Discuss the significance of the antenatal prognostic factors in a case of diaphragmatic hernia and outline the management of an antenatally detected case of CDH.

(5+10+15 = 30 marks)
3. Short Notes:
 - 3A. Mitchell's epispadias repair
 - 3B. Congenital epulis.
 - 3C. Physiologic jaundice.
 - 3D. Role of laparoscope in undescended testis.

(10×4 = 40 marks)



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