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MANIPAL ACADEMY OF HIGHER EDUCATION
(Deemed University)

M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JUNE 2004

SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO PAEDIATRIC SURGERY
Tuesday, June 22, 2004

Time: 3 Hrs.

Max. Marks: 100

Answer all the questions

1. Describe the process of formation and circulation of CSF. How is Hydrocephalus (HC) classified? Outline the management of post Intraventricular Hemorrhage HC in a preterm.

(10+5+15 = 30 marks)

2. Enumerate the common indications of TPN in a surgical new born. Describe the pathophysiology of short bowel syndrome and mention the surgical procedures used in its management.

(5+25 = 30 marks)

3. Short Note:

3A. Alpha fetoprotein.

3B. ECMO

3C. Electrocautery.

3D. Tracheo-esophageal cleft.

(10×4 = 40 marks)

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M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JUNE 2004

SUBJECT: PAPER II: SYSTEMIC AND REGIONAL PAEDIATRIC SURGERY

Wednesday, June 23, 2004

Time: 3 Hrs.

Max. Marks: 100

Answer all the questions

1. What is long gap esophageal atresia? Describe the various management options for a newborn who has long gap atresia.

(5+25 = 30 marks)

2. Describe the embryogenesis of exstrophy bladder. Outline the management strategy in a case of exstrophy bladder. What are the determinants of continence in such a patient?

(10+15+5 = 30 marks)

3. Short Notes:

(10×4 = 40 marks)

3A. Chemotherapy for hepatoblastoma.

3B. Urological complications of PSARP.

3C. Long term results of biliary atresia.

3D. Chylothorax.



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M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JUNE 2004

SUBJECT: PAPER III: RECENT ADVANCES AND NEONATAL SURGERY

Thursday, June 24, 2004

Time: 3 Hrs.

Max. Marks: 100

Answer all the questions

1. Describe the process of normal rotation of the gut. What are the common rotational anomalies seen? Discuss in brief the investigations and surgical management of a newborn with malrotation.

(10+5+15 = 30 marks)

2. What are the congenital malformations that mandate a planned cesarean section delivery? Discuss the embryology, clinical features and management of a newborn with exomphalos major.

(5+25 = 30 marks)

3. Short Notes:

3A. Pneumatic reduction.

3B. Nitric oxide.

3C. Knudson's hypothesis.

3D. Glasgow coma scale.

(10×4 = 40 marks)



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