

**MANIPAL ACADEMY OF HIGHER EDUCATION**  
(Deemed University)

**M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2005**

**SUBJECT: PAPER I: BASIC SCIENCES AS APPLIED TO PAEDIATRIC SURGERY**  
Monday, July 04, 2005

Time: 3 Hrs.

Max. Marks: 100

**Answer all the questions**

1. Describe the physiology of micturition. Discuss the various components of an urodynamic study and discuss how it helps to classify neurogenic bladder.

(15+15 = 30 marks)

2. Describe the "Enteric Nervous System" and outline the physiology of normal peristalsis. How are the disorders of the enteric nervous system classified? Write a brief note on Intestinal Neuronal Dysplasia?

(15+5+10 = 30 marks)

3. Short Note:

3A. Pulse Oximetry.

3B. Anatomy of the external sphincters.

3C. OK432.

3D. Autosomal Dominant Polycystic Kidney Disease.

(10×4 = 40 marks)

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**M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2005**

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

Tuesday, June 05, 2005

Max. Marks: 100

Time: 3 Hrs.

☞ Answer all the questions.

1. What is the embryology of a persistent cloaca? Describe the clinical features, investigations and the management of a case of persistent cloaca.

(10+20 = 30 marks)

2. Describe the pathogenesis and the natural course of portal hypertension in children. Discuss the indications of shunt surgery in portal hypertension. Describe the selective shunts used for these patients.

(10+20 = 30 marks)

3. Short Notes:

(10×4 = 40 marks)

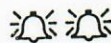
3A. Whittaker's test.

3B. Management of an atrial thrombus in a case of Wilm's tumor.

3C. Fat overload syndrome.

3D. Persistent Mullerian Duct Syndrome.

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**M.Ch. (PAEDIATRIC SURGERY) DEGREE EXAMINATION – JULY 2005****SUBJECT: PAPER III: RECENT ADVANCES AND NEONATAL SURGERY**

Wednesday, July 06, 2005

Time: 3 Hrs.

Max. Marks: 100

☞ Answer all the questions.

1. What are the causes of respiratory distress in a newborn? Outline the management of a newborn with respiratory distress.

(10+20 = 30 marks)

2. Discuss the pathophysiology of empyema thoracis. What investigations are required in the management of a case? Discuss the procedure of decortication and mention the impact of thoracoscopy on the management of empyema.

(10+5+15 = 30 marks)

3. Short Notes:

3A. APGAR score.

3B. Neuron specific Enolase.

3C. MIBG scan.

3D. Neuro-enteric cysts.

(10×4 = 40 marks)

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