

APRIL - 2001

[KD 050]

Sub. Code : 1703

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

Branch V — Paediatric Surgery

(Revised Regulations)

Paper III — REGIONAL AND SYSTEMIC
PAEDIATRIC SURGERY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the differential diagnosis of a "Supra hyoid" neck swelling in a 5 year old child. (30)
2. Discuss neuroblastoma with respect to its (30)
 - Staging (3)
 - Clinical presentation (3)
 - Biochemical investigations (8)
 - Role of surgery (4)
 - Chemotherapy (8)
 - Prognosis (4)
3. Write briefly on : (40)
 - (a) Congenital lung cyst (10)
 - (b) Classification and treatment of haemangiomas (10)
 - (c) Trichobezoar (10)
 - (d) Mesenteric cyst. (10)

NOVEMBER - 2001

[KE 050]

Sub. Code : 1703

M.Ch. DEGREE EXAMINATION,

(Higher Specialities)

(Revised Regulations)

Branch V — Paediatric Surgery

Paper III — REGIONAL AND SYSTEMIC
PAEDIATRIC SURGERY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. 4 years old boy presented with 60% burns over upper half of the body after 12 hrs. Discuss under following headings : (30)

- (a) Pathophysiology of burns. (8)
- (b) Clinical classification. (6)
- (c) Management of burns. (10)
- (d) Prevention and management of complications. (6)

2. 1 year old child presents with Loin Mass of recent onset. Discuss it under following headings : (30)

- (a) Causes and brief Pathology of each. (8)
- (b) Clinical presentation. (6)
- (c) Investigations and Management. (8)
- (d) Newer Trends and Controversies. (8)

3. Write briefly on :

- (a) Lymphangioma. (10)
- (b) Surgical importance of HbSA_c. (10)
- (c) Techniques for correcting High Undescended Testis. (10)
- (d) Gastro-Oesophageal P.H. study. (10)

MARCH - 2002

[KG 050]

Sub. Code : 1703

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch V — Paediatric Surgery

Paper III — REGIONAL AND SYSTEMIC
PAEDIATRIC SURGERY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the RMS in children under the following headings :

- (a) Sites and its prevalence (5)
- (b) Role of surgery for RMS of GU tract (10)
- (c) Pathology and staging (5)
- (d) Prognosis of RMS in different sites. (10)

2. Discuss the congenital malformations of umbilicus and their management. (30)

3. Write short notes on :

- (a) Congenital dislocation hip (10)
- (b) Cong Cystadenomatoid malformations of lung (10)
- (c) Brancheal sinus (10)
- (d) Torsion testis. (10)

SEPTEMBER - 2002

[KH 050]

Sub. Code : 1703

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

Branch V — Paediatric Surgery

(Revised Regulations)

Paper III — REGIONAL AND SYSTEMIC
PAEDIATRIC SURGERY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the neurogenic bladder under the following headings :

- (a) Anatomy of bladder and its innervation. (5)
- (b) Physiology of bladder function. (5)
- (c) Types of neurogenic bladder. (10)
- (d) Management. (10)

2. Discuss mediastinal masses in children under the following heads :

- (a) Causes of mediastinal masses. (10)
- (b) Diagnosis and investigations. (10)
- (c) Surgical management. (10)

3. Write short notes on :

- (a) Congenital talipes equinovarus. (10)
- (b) Empyema thorax. (10)
- (c) Thyroglossal cyst. (10)
- (d) Ichaemic enteritis in children. (10)

APRIL - 2004

[KK 050]

Sub. Code : 1703

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch V — Paediatric Surgery

Paper III — REGIONAL AND SYSTEMIC
PAEDIATRIC SURGERY

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

A. Essay :

(2 × 15 = 30)

(1) Management of a two year old child on ileostomy for total colonic aganglionosis.

(2) Discuss the pathology and treatment plan for primary vesicoureteric reflux detected in a 5 year old girl.

B. Short notes :

(10 × 5 = 50)

- (1) Congenital mesoblastic nephroma
- (2) Hemangioma of the right lobe of liver
- (3) Congenital multicystic disease of left kidney
- (4) VURD syndrome
- (5) Functional ovarian tumour
- (6) Loculated empyema chest
- (7) Medical management of cystic hygroma
- (8) Various types of treatment for hypospadias
chordee
- (9) Indications for bronchoscopy
- (10) Forme fruste type of choledochal cyst.

FEBRUARY - 2005

[KL 050]

Sub. Code : 1703

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch V — Paediatric Surgery

Paper III — REGIONAL AND SYSTEMIC
PAEDIATRIC SURGERY

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay :

(2 × 15 = 30)

(1) Discuss the embryogenesis, the clinical aspects, management and results of exstrophy of bladder.

(2) Discuss the etiology, pathogenesis, management of Empyema Thoracis in children.

II. Write short notes on :

(10 × 5 = 50)

- (a) Paradoxical aciduria.
- (b) Necrotising fasciitis.
- (c) Anal manometry.
- (d) Thyroglossal cyst.
- (e) Nephrogenic rests.
- (f) Retrocaecal ureta.
- (g) Tracheo oesophageal H-fistula.
- (h) Cephal haematoma.
- (i) Bezoars.
- (j) Rectal atresia.

FEBRUARY - 2006

[KO 050]

Sub. Code : 1703

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch V — Paediatric Surgery

Paper III — REGIONAL AND SYSTEMIC
PAEDIATRIC SURGERY

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay :

(2 × 15 = 30)

(1) Discuss the aetiopathology and treatment options in vesico-ureteric reflux.

(2) Discuss the pathology, management and complications of neonatal necrotizing enterocolitis.

II. Write short notes on :

(10 × 5 = 50)

(a) Intestinal neuronal dysplasia and allied disorders

(b) Prognostic factors in posterior urethral valves

(c) Management of anastomotic leak after esophageal atresia repair

(d) Pouch colon syndrome

(e) Long term management of children with meningomyelocele

(f) Congenital mesoplastic nephroma

(g) Radionuclide isotope renogram

(h) Ureterocele

(i) Tethered cord syndrome

(j) Current status of fetal surgery.

FEBRUARY - 2007

[KQ 050]

Sub. Code : 1703

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch V — Paediatric Surgery

Paper III — REGIONAL AND SYSTEMIC
PAEDIATRIC SURGERY

Time : Three hours

Maximum : 100 marks

Theory : Two hours and
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

I. Essay questions :

1. A three year old girl sustained abdominal trauma following a road accident and presented with shock and haematuria. Discuss under following headings :

- (a) Clinical assessment
- (b) Classification of Renal injuries
- (c) Investigations, Treatment
- (d) Role of conservative management.

(4 + 3 + 10 + 3)

2. Describe the anatomy of mediastinum and discuss mediastinal masses embryology and management. (15)

3. Discuss the embryology and management of Duplication cysts of intestine. (15)

II. Write short notes on : (6 × 5 = 30)

1. Total colonic aganglionosis
2. Surgical management of choledochal cyst
3. Hydatid disease
4. Management of Rhabdomyosarcoma in children
5. Branchial cyst
6. Actinomycin - D.

August 2008

[KT 050]

Sub. Code: 1703

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

(Revised Regulations)

Branch V – Paediatric surgery

Paper III – REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY

Q.P. Code: 181703

Time: Three hours

Maximum: 100 Marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary.

I. Essays:

(2 x 20 = 40)

1. Embryology, diagnosis and management of gastro intestinal duplications.
2. Developmental anomalies of lung bud, diagnosis and management of congenital cystic lesions of lung.

II. Write short notes on:

(10 X 6 = 60)

1. Trichobezoar.
 2. Meconium peritonitis.
 3. Fetus in fetu.
 4. Cloacal anomalies.
 5. Omphalocele.
 6. Intussusception in 4 years old child.
 7. Management of benign ovarium cysts in neonate.
 8. Long segment hirschsprung's disease.
 9. Gastroschisis.
 10. Achalasia cardia.
-

August 2009

[KV 050]

Sub. Code: 1703

MASTER OF CHIRURGIAE (M.Ch.) DEGREE EXAMINATIONS

(Super Specialities)

Branch V – Paediatric Surgery

(Revised Regulations)

Paper III – REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY

Q.P. Code: 181703

Time: Three hours

Maximum: 100 Marks

Answer ALL questions

Draw suitable diagrams wherever necessary.

I. Essays:

(2 x 20 = 40)

1. Discuss the management of a one year old boy on ileostomy for total colonic aganglionosis.
2. Describe the clinical features, diagnosis and management of a boy aged 5 yrs with rhabdomyosarcoma arising from urinary bladder.

II. Write short notes on:

(10 x 6 = 60)

1. Thyroglossal duct cyst.
2. Locculated empyema thoracis.
3. Adenomatous polyp.
4. Non surgical treatment of acute intussusception.
5. Eventration diaphragm.
6. Complications and management of undescended testis.
7. Male pseudohermaphroditism.
8. Differential diagnosis and management of acute painful scrotum.
9. Hepatoblastoma.
10. Hemolytic uremic syndrome.

February 2011

[KY 050]

Sub. Code: 1703

MASTER OF CHIRURGIAE (M.CH) DEGREE EXAMINATIONS

(Super Specialities)

Branch V – Paediatric Surgery

Revised Regulations

Common to all Candidates

Paper III – REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY

Q.P. Code: 181703

Time: Three hours

Maximum: 100 Marks

Answer ALL questions

Draw suitable diagrams wherever necessary.

I. Essays:

(2 x 20 = 40)

1. Describe the Clinical Presentation, Diagnosis, Staging and prognosis of Neuroblastoma.
2. What is the embryology of duplications of the Gastro intestinal tract? Describe the symptoms, diagnosis and treatment of duplication of the small intestine.

II. Write short notes on:

(10 x 6 = 60)

1. Renal Trauma.
2. Gastric Volvulus.
3. Mixed Gonadal Dysgenesis.
4. Idiopathic Thrombocytopenic Purpura (ITP).
5. Clinical presentation and diagnosis of Pheochromocytoma.
6. Rhabdoid tumour of the Kidney.
7. Morgagni's Hernia.
8. Mid line neck masses.
9. H type Tracheo-Esophageal Fistula.
10. Achalasia cardia.

August 2011

[KZ 050]

Sub. Code: 1703

MASTER OF CHIRURGIAE (M.Ch.) DEGREE EXAMINATION
(SUPER SPECIALITIES)

BRANCH V – PAEDIATRIC SURGERY

REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY

Q.P. Code: 181703

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

**Pages Time Marks
(Max.) (Max.) (Max.)**

- | | | | |
|--|----|----|----|
| 1. Describe Biliary atresia under the following: causes, pathology, signs and symptoms and management. | 11 | 35 | 15 |
| 2. Describe pathological anatomy, embryology symptoms and signs and management of duplications of the colon. | 11 | 35 | 15 |

II. Write notes on :

- | | | | |
|---|---|----|---|
| 1. Hepato cellular ascites. | 4 | 10 | 7 |
| 2. Septic arthritis. | 4 | 10 | 7 |
| 3. Urachal remnant. | 4 | 10 | 7 |
| 4. Lung development. | 4 | 10 | 7 |
| 5. Second Bronchial cleft fistula. | 4 | 10 | 7 |
| 6. Haemolytic uraemic syndrome. | 4 | 10 | 7 |
| 7. Treacher Collins syndrome. | 4 | 10 | 7 |
| 8. Chemical immuno suppression in organ transplant. | 4 | 10 | 7 |
| 9. WT1 & WT2 Genes. | 4 | 10 | 7 |
| 10. Congenital chylo thorax. | 4 | 10 | 7 |

[LB 050]

AUGUST 2012

Sub. Code: 1703

M.Ch – PAEDIATRIC SURGERY

Paper – III REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY

Q.P. Code: 181703

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

| | Pages (Max.) | Time (Max.) | Marks (Max.) |
|--|-----------------|----------------|-----------------|
| 1. Discuss thermal burns under the following headings. i) Resuscitation ii) Infection control iii) Nutrition iv) Wound care and Assessment. | 16 | 35 | 15 |
| 2. Discuss Oesophageal Replacement under the following headings i) Indications ii) Gastric transposition iii) Jejunal Interposition iv) Colonic interposition. | 16 | 35 | 15 |

II. Write notes on :

| | | | |
|---|---|----|---|
| 1. Write a short note on Laparoscopic cholecystectomy. | 4 | 10 | 7 |
| 2. Write a short note on congenital Tracheo Oesophageal Fistula. | 4 | 10 | 7 |
| 3. Write a short note on cystic adenomatoid malformation. | 4 | 10 | 7 |
| 4. Write a short note on Thyroglossal cyst. | 4 | 10 | 7 |
| 5. Write a short note on Treacher Collin's syndrome. | 4 | 10 | 7 |
| 6. Write a short note on diaphragmatic Injuries. | 4 | 10 | 7 |
| 7. Write a short note on compartment syndrome after a crush injury. | 4 | 10 | 7 |
| 8. Write a short note on Tumour suppressor Genes. | 4 | 10 | 7 |
| 9. Write a short note on laboratory studies in liver tumours? | 4 | 10 | 7 |
| 10. Write a short note on Achalasia cardia. | 4 | 10 | 7 |

(LD 050)

AUGUST 2013

Sub. Code:1703

M.Ch. – PAEDIATRIC SURGERY
Paper – III REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY
Q.P.Code: 181703

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. The embryology, pathologic anatomy, evaluation and treatment of enteric duplication cysts.
2. The surgical causes of Respiratory Distress in the newborn with an outline of their management.

II. Write notes on:

(10X7=70)

1. Habitual constipation.
2. Recurrent Intussusception.
3. Posterior Mediastinal cysts.
4. Abdominal wall defects.
5. GIT foreign bodies.
6. Appendicitis.
7. Mesenteric cyst.
8. Meconium ileus- complications.
9. Chronic pancreatitis.
10. Gall stones.

M.Ch. – PAEDIATRIC SURGERY
Paper – III REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY
Q.P.Code: 181703

Time: Three Hours

Maximum: 100 marks

I. Elaborate on: **(2X15=30)**

1. Discuss the embryology, diagnosis and management of choledochal cyst.
2. Describe the pathogenesis and the natural course of portal hypertension in children. Discuss the indications for surgery, various procedures, their merits and demerits.

II. Write notes on: **(10X7=70)**

1. Atrial thrombus in Wilm's tumour.
2. Persistent Mullerian Duct syndrome.
3. Pulmonary Sequestrations.
4. Volvulus neonatorum.
5. Unilateral nonpalpable testis.
6. Enzyme pathway in congenital adrenal hyperplasia.
7. Patent Urachus.
8. Thoracoscopy in children.
9. Cerebro Spinal Fluid circulation.
10. Xanthogranulomatous pyelonephritis.

M.Ch. – PAEDIATRIC SURGERY

Paper III – REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY

Q.P.Code: 181703

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the various causes of respiratory distress in a Newborn. Describe the pathology, clinical features, diagnosis and management of Congenital Lobar Emphysema.
2. Describe biliary atresia under the following headings:- Causes, pathology, symptoms, signs and management.

II. Write notes on:

(10 x 7 = 70)

1. Septic arthritis.
2. Treacher Collins syndrome.
3. Chylothorax.
4. Immuno suppression in organ transplant.
5. Haemolytic uraemic syndrome.
6. Hydatid disease.
7. Total colon aganglionosis.
8. Broncho - pulmonary dysplasia.
9. Corrosive esophageal strictures.
10. Long term outcome in anorectal malformation.

M.Ch. – PAEDIATRIC SURGERY

Paper III – REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY

Q.P.Code: 181703

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the Aetiology, Pathology, Clinical Features and Management of various types of Intussusception.
2. Discuss Sacrococcygeal Teratoma in a child under the following heading pathology, classification, clinical Features, Management and Prognostic factors.

II. Write notes on:

(10 x 7 = 70)

1. Gastric Volvulus.
2. Patent VID.
3. Thyroglossal Cyst.
4. Acute Scrotum.
5. Lymphangioma of Tongue.
6. Alpha Feto Protien.
7. Congenital Esophageal Stenosis.
8. Choledochal cyst.
9. Congenital Mesoblastic Nephroma.
10. Surgical Procedures for Hirschsprung's Disease.

(LK 050)

FEBRUARY 2017

Sub. Code:1703

M.Ch. – PAEDIATRIC SURGERY

Paper III – REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY

Q.P.Code: 181703

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss Myelomeningocele under following headings
 - i) Embryogenesis
 - ii) Approach in a neonate
 - iii) Management of paraparesis, neurogenic bladder and bowel.
2. A six year old child has got fecal incontinence following surgery for high ano-rectal malformation. Discuss evaluation and management.

II. Write notes on:

(10 x 7 = 70)

1. Meckel's band.
2. Recurrent parotitis in children.
3. Actinomycin D.
4. Testicular feminisation syndrome.
5. Boix – Ochoa fundoplication for Gastro oesophageal reflux.
6. Female Inguinal Hernia.
7. Rectal polyp.
8. Splenic trauma.
9. Mesenteric cysts.
10. Renal scintigraphy.

(LM 050)

FEBRUARY 2018

Sub. Code: 1703

M.Ch. – PAEDIATRIC SURGERY

Paper III – REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY

Q.P.Code: 181703

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: (2 x 15 = 30)

1. Describe Emphyema Thoracis under the following heading Aetiology, Pathology, Clinical Features and Management.
2. Discuss Neuroblastoma in respect to the staging, Clinical features, Investigations, Role of Surgery, Chemotherapy and Prognosis.

II. Write notes on: (10 x 7 = 70)

1. Non Surgical Management of Intussusception.
2. Broncho Pulmonary Sequestration.
3. Cleft lip.
4. Pancreatic Pseudocyst.
5. Undescended Testis.
6. Bilateral Wilm's Tumor.
7. Eventration of Diaphragm.
8. Achalasia Cardia.
9. Gall Stones.
10. Omphalocele vs Gastroschisis.

(LN 050)

AUGUST 2018

Sub. Code: 1703

M.Ch. – PAEDIATRIC SURGERY

Paper III – REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY

Q.P.Code: 181703

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the diagnosis of Hirschsprung's disease and related conditions affecting bowel motility.
2. Discuss Renal tumours in childhood.

II. Write notes on:

(10 x 7 = 70)

1. Beckwith Wiedemann syndrome.
2. Sacral Agenesis.
3. Causes of intussusception.
4. Tracheo bronchial foreign bodies.
5. Pulmonary sequestrations.
6. Type IV Choledochal cyst.
7. Distal Colonogram in anorectal malformation.
8. Thyroid masses in children.
9. Vaginal discharge in a child.
10. Vesico intestinal fissure.

(LO 050)

FEBRUARY 2019

Sub. Code: 1703

M.Ch. – PAEDIATRIC SURGERY

Paper III – REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY

Q.P. Code: 181703

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Congenital adrenal hyperplasia – etiology, diagnosis and management.
2. Esophageal replacement – indications and types.

II. Write notes on:

(10 x 7 = 70)

1. Ureterocele.
2. Fetus in fetu.
3. Persistent pulmonary hypertension.
4. Choledochal cyst.
5. Primary peritonitis.
6. Total colonic agangliosis.
7. Epispadias.
8. Prune belly syndrome.
9. Urinary ascites.
10. Vitello intestinal duct anomalies.

(LP 050)

AUGUST 2019

Sub. Code: 1703

M.Ch. – PAEDIATRIC SURGERY

Paper III – REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY

Q.P. Code: 181703

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Wilm's tumor – pathophysiology, clinical features and its management.
2. Antenatal diagnosis of hydronephrosis and its postnatal management.

II. Write notes on:

(10 x 7 = 70)

1. Duplication cyst of gut.
2. Meckels diverticulum.
3. IHPS.
4. Candal regression.
5. PET scan.
6. Retrocaval ureter.
7. Ovarian malignancy.
8. H fistula in TEF.
9. Fibrinolytic therapy in empyema.
10. VURD.

(LR 050)

NOVEMBER 2020
(AUGUST 2020 SESSION)

Sub. Code: 1703

M.Ch. – PAEDIATRIC SURGERY

Paper III – REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY

Q.P. Code: 181703

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss on aetiopathology clinical features and management of soft tissue sarcomas in children.
2. Discuss pure esophageal atresia.

II. Write notes on:

(10 x 7 = 70)

1. Esophageal injuries
2. Bilateral wilms tumor
3. Frantz's tumor
4. Skull fractures in children and management
5. Temperature regulation in neonate
6. Torsion testes
7. Gastric volvulus
8. Fecal incontinence
9. Laryngeal cleft
10. Ulcerative colitis

(MCH 0821)

AUGUST 2021

Sub. Code: 1703

M.Ch. – PAEDIATRIC SURGERY

Paper III – REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY

Q.P. Code: 181703

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss aetiopathology and management of germ cell tumors in children.
2. Discuss the various surgical procedures for Hirschsprung's disease.

II. Write notes on:

(10 x 7 = 70)

1. Selective shunts for portal hypertension.
2. Children Oncology Group(COG) risk categorisation of Wilms tumor.
3. Torticollis.
4. Management of burn wound.
5. Stealth surgery.
6. Prune belly syndrome.
7. Varicocele.
8. Obstructive hydrocephalus.
9. Vesicoureteric reflux Index.
10. Cholecystitis.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0822)

AUGUST 2022

Sub. Code: 1703

M.Ch. – PAEDIATRIC SURGERY

Paper III – REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY

Q.P. Code: 181703

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Pathology, diagnosis and management of Achalasia cardia.
2. Pathophysiology of CAH and evaluation and management of a newborn female with suspected CAH.

II. Write notes on:

(10 x 7 = 70)

1. Sequestration of lungs.
2. Bechwith Weideman Syndrome.
3. Intestinal polyposis.
4. Tumor lysis syndrome.
5. Cloacal exstrophy.
6. Mitrofanoff procedure and its applications.
7. Gastric volvulus.
8. Hirschsprungs associated enterocolitis.
9. Stage 4S neuroblastoma.
10. Clear cell sarcoma of kidneys.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0124)

JANUARY 2024

Sub. Code: 1703

M.Ch. – PAEDIATRIC SURGERY

PAPER III – REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY

Q.P. Code: 181703

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. What is Empyema thoracis. Describe the work up and the various management options relative to the stages of empyema.
2. What is Pena's contribution to the understanding and evaluation of anorectal continence? Classify anorectal malformations. Outline the approach to Cloacal Malformation.

II. Write notes on:

(10 x 7 = 70)

1. Neurofibromatosis.
2. Neurenteric cysts.
3. Splenic cysts.
4. Mesentric Cysts.
5. Rectal Atresia.
6. Growing Teratoma syndrome.
7. Congenital Lobar Emphysema.
8. Down's syndrome and its relevance to paediatric surgery and anaesthesia.
9. Abdominal compartment syndrome and its management.
10. Frantz's / SPEN tumour.

THE TAMIL NADU DR.M.G.R. MEDICAL UNIVERSITY

(MCH 0225)

FEBRUARY 2025

Sub. Code: 1703

M.Ch. BRANCH V – PAEDIATRIC SURGERY

PAPER III – REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY

Q.P. Code: 181703

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe the embryology of the pancreatobiliary apparatus and its relevance in the pathogenesis of various types of choledochal cyst. Classify choledochal cysts and elucidate the principles of management.
2. Describe the embryology of abdominal wall formation in relation to the pathogenesis of Exomphalos and Gastroschisis.
 - a) How would you differentiate one from the other and detail the diagnostic work up?
 - b) Enumerate the principles of management and the possible options for their therapy.

II. Write notes on:

(10 x 7 = 70)

1. Polyposis Coli.
2. Internal Sphincter Achalasia.
3. Peritoneal Dialysis.
4. Funnel Anus.
5. Sildenafil.
6. Opsomyoclonus Ataxia Syndrome (OMAS).
7. Hyperkalaemia.
8. Microgastria and its management.
9. Traumatic Asphyxia.
10. Poland's Syndrome.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

(MCH 0126)

JANUARY 2026

Sub. Code: 1703

M.Ch. – PAEDIATRIC SURGERY

PAPER III – REGIONAL AND SYSTEMIC PAEDIATRIC SURGERY

Q.P. Code: 181703

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss Hepatoblastoma with respect to its etiopathogenesis, clinical presentation, diagnosis, staging and treatment.
2. Blunt trauma abdomen: Enumerate ATLS Guidelines and discuss acute management and organ specific management.

II. Write notes on:

(10 x 7 = 70)

1. Necrotising Pancreatitis.
2. Malignant Ovarian tumours.
3. Thymic swelling / Benign malformation – presentations and management.
4. Congenital Esophageal stenosis.
5. Choledochal cyst - Types and its management.
6. Vaginal Atresia.
7. Waugh's syndrome.
8. Sharp objects injury abdomen and its management.
9. 5 alpha reductase deficiency: clinical features, karyotype, hormonal profile and management.
10. Platinum based Chemotherapy.
