

APRIL - 2001

[KD 049]

Sub. Code : 1702

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch V — Paediatric Surgery

(Revised Regulations)

Paper II — NEONATAL SURGERY

Time : Three hours

Maximum 100 marks

Answer ALL questions.

1. Discuss Sacro-coccygeal Teratoma under the following headings. (30)
 - Classification (6)
 - Histopathology (5)
 - Clinical presentation (6)
 - Surgical management (8)
 - Prognosis (5)
2. Discuss the (30)
 - Development of anorectum (8)
 - Classification of Anorectal Anamolies (7)
 - Diagnosis of Anorectal Anamolies (7)
 - Surgical management of Anorectal Anamolies (8)

3. Write briefly on : (40)
 - (a) Choanal atresia (10)
 - (b) Hypoglycemia in a new born (10)
 - (c) Tracheomalacia (10)
 - (d) Gastroschiasis (10)

NOVEMBER - 2001

[KE 049]

Sub. Code : 1702

3

Write briefly on :

- (a) Congenital Diaphragmatic Hernia (10)
- (b) Duplex system of Ureter. (10)
- (c) Solitary Thyroid Swelling. (10)
- (d) Laproscopy in children. (10)

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

(Revised Regulations)

Branch V — Paediatric Surgery

Paper II — NEONATAL SURGERY

Time : Three hours

Maximum : 100 marks

Answer ALL questions

1. Discuss Choanal Atresia in new born under following headings : (30)
 - (a) Etiology and Development of Face. (6)
 - (b) Clinical presentation. (6)
 - (c) Management. (10)
 - (d) Immediate and Late Complications. (8)
2. Discuss spinal dysraphism under following (30)
 - (a) Embryology. (8)
 - (b) Classification and Clinical presentation (6)
 - (c) Management. (10)
 - (d) Complications. (6)

MARCH - 2002

[KG 049]

Sub. Code : 1702

3

Write short notes on :

- (a) Congenital hypertrophic pyloric stenosis (10)
 - (b) Duplication cysts of GUT (10)
 - (c) Sacrococcygeal teratoma (10)
 - (d) Gastroschisis. (10)
-

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

(Revised Regulations)

Branch V — Paediatric Surgery

Paper II — NEONATAL SURGERY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss Biliary atresia under the following headings :

- (a) Clinical presentation (5)
- (b) Diagnostic modalities (10)
- (c) Management of biliary atresia (10)
- (d) Long term follow up. (5)

2. Discuss the tracheo oesophageal fistulae under the following headings :

- (a) Embryology and development (5)
- (b) Clinical presentation and diagnosis (5)
- (c) Surgical options available (10)
- (d) Post operative complication and management. (10)

SEPTEMBER - 2002

[KH 049]

Sub. Code : 1702

3

Write short notes on

- (a) GER in neonates. (10)
- (b) Gastric teratoma. (10)
- (c) Meconium peritonitis. (10)
- (d) Exomphalos. (10)

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

Branch V — Paediatric Surgery

(Revised Regulations)

Paper II — NEONATAL SURGERY

Time : Three hours

Maximum : 100 marks

Answer ALL questions

1. Discuss congenital hydronephrosis under the following headings :

- (a) Embryology of kidney and ureters. (5)
- (b) Antenatal diagnosis and its relevance (5)
- (c) Clinical presentation and diagnosis (10)
- (d) Management of PUJ obstruction (10)

2. Discuss the congenital choledochal cyst in children under the following headings :

- (a) Embryology and development. (10)
- (b) Clinical presentation and classification (10)
- (c) Management and surgical options (10)

2

[KH 049]

APRIL - 2004

[KK 049]

Sub. Code : 1702

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch V — Paediatric Surgery

Paper II — NEONATAL 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 leaks following esophageal anastomosis after repair for esophageal atresia and tracheo esophageal fistula.

(2) Management of a two month old female baby presenting with urinary obstruction.

B. Short notes :

(10 × 5 = 50)

- (1) Neonatal hydrocephallus
- (2) Congenital esophageal stenosis
- (3) Congenital adenomatoid malformations
- (4) Pancreatic divisum
- (5) Umbilical fecal discharge
- (6) Biliary hypoplasia
- (7) Ruptured omphalocele
- (8) Vesicointestinal fissure
- (9) Barium study showing microcolon
- (10) Leaking meningomyelocele.

FEBRUARY - 2005

[K1049]

Sub. Code : 1702

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch V — Paediatric Surgery

Paper II — NEONATAL SURGERY

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

I. Essay : (2 × 15 = 30)

(1) Describe the development of Diaphragm and discuss the management of congenital diaphragmatic hernia.

(2) Describe the embryogenesis of the duplication of the alimentary tract and discuss the clinical features and management of colonic duplications.

II. Write short notes on : (10 × 5 = 50)

- (a) Colonic atresia.**
- (b) Rectovaginal fistula.**
- (c) Congenital lobar emphysema.**
- (d) Bronchogenic cysts.**
- (e) Post-natal assessment of accidentally diagnosed hydronephrosis.**
- (f) Clinical applications of Laser in neonatal surgery.**
- (g) Types of Pouch Colon.**
- (h) Bile Ascitis.**
- (i) Embryogenesis of posterior urethral valves.**
- (j) Management of hydrometrocolpos in the new born.**

FEBRUARY - 2006

[KO 049]

Sub. Code : 1702

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch V — Paediatric Surgery

Paper II — NEONATAL 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 embryology and classification of
Congenital anorectal malformations.**

**(2) Discuss the investigations and aetiology of a
jaundiced baby.**

II. Write short notes on :

(10 × 5 = 50)

- (a) Management of long gap esophageal atresia**
- (b) Congenital lobar emphysema**
- (c) Disseminated intravascular coagulation**
- (d) Pulmonary hypertension in congenital
diaphragmatic hernia**
- (e) Neonatal hypoglycemia**
- (f) Sepsis in newborn**
- (g) Primary repair of high anorectal
malformation**
- (h) Complications of repair of esophageal atresia**
- (i) Gastric outlet obstruction**
- (j) Patent vitello-intestinal duct.**

AUGUST - 2006

[KP 049]

Sub. Code : 1702

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch V — Paediatric Surgery

Paper II — NEONATAL 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 :

(1) Discuss a neonate with large cervical swelling under the following :

(a) Etiology and role of antenatal ultrasound

(b) Clinical presentation

(c) Management

(d) Complications. (3 + 4 + 10 + 3)

(2) Discuss the special problems in the management of Low Birth Weight and Small for gestational age babies. (15)

(3) List the causes of neonatal ascites and discuss the management of a neonate with urinary ascites. (15)

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

(a) Difference between exomphalos and gastroschises

(b) Apple Peel small bowel atresia

(c) Antenatal diagnosis of neural tube defects

(d) Evaluation of Neonatal Cholestasis

(e) Stage IV-S Neuroblastoma

(f) Transitional nephrology.

FEBRUARY - 2007

[KQ 049]

Sub. Code : 1702

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch V — Paediatric Surgery

Paper II — NEONATAL SURGERY AND UROLOGY

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 :

1. Discuss necrotising enterocolitis in a neonate under the following :

- (a) Etiology and pathogenesis**
- (b) Clinical presentation**
- (c) Diagnosis**
- (d) Management.**

(3 + 3 + 4 + 10)

2. Discuss the mechanism of thermoregulation in new born and discuss the causes and effects of hypothermia following major surgery. (15)

3. Discuss the management of antenatally diagnosed hydronephrosis. (15)

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

- 1. Apgar score**
- 2. Female pseudo hermaphroditism**
- 3. Multicystic dysplastic kidney**
- 4. Ureterocele**
- 5. Distal penile hypospadias.**
- 6. Vestibular fistulas (ARM).**

August-2007

[KR 049]

Sub. Code : 1702

M.Ch. DEGREE EXAMINATION.

(Higher Specialities)

(Revised Regulations)

Branch V — Paediatric Surgery

Paper II — NEONATAL SURGERY AND UROLOGY

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.

1. Essay :

(a) A 10 day old baby boy is admitted with complaints of poor urinary stream since birth and a palpable bladder. Discuss under the following :

(i) investigations.

(ii) pre-operative medical management.

- (iii) operative procedures.
- (iv) follow-up protocol and long-term management. (5 + 5 + 5 + 5 = 20)

(b) A 3-day-old baby girl is admitted with a very large sacrococcygeal teratoma. Discuss under the following :

- (i) embryology and role of antenatal ultrasound.
- (ii) associated problems with a large tumor.

- (iii) surgical management.
- (iv) prognostic factors. (4 + 4 + 4 + 3 = 15)

(c) Discuss the management of persistent cloaca under the following :

- (i) embryology.
- (ii) classification and investigations.
- (iii) operative techniques.
- (iv) long-term management. (3 + 4 + 4 + 4 = 15)

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

- (a) Role of mechanical ventilation in neonatal surgery.
- (b) Management of inferior vena cava thrombus in Wilms tumour.
- (c) Neonatal testicular torsion.

- (d) Outcome in gastroschisis.
 - (e) Complicated meconium ileus.
 - (f) Biliary anomalies in duodenal atresia.
-

August 2008

[KT 049]

Sub. Code: 1702

M.Ch. DEGREE EXAMINATION

(Higher Specialities)

(Revised Regulations)

Branch V – Paediatric Surgery

Paper II – NEONATAL SURGERY AND UROLOGY

Q.P. Code: 181702

Time: Three hours

Maximum: 100 Marks

ANSWER ALL QUESTIONS

Draw suitable diagrams wherever necessary.

I. Essays:

(2 x 20 = 40)

1. Developmental anomalies of ureteric bud, diagnosis and management of ureterovesical junction anomalies.
2. Embryology, classification, diagnosis and management of high and intermediate anorectal anomalies in male children.

II. Write short notes on:

(10 X 6 = 60)

1. Congenital mesenchymal haemangioma liver.
 2. Perineal canal.
 3. Bronchial cyst.
 4. Congenital torticollis.
 5. Prunebelly syndrome.
 6. Ectopic testis.
 7. Undiversion.
 8. Recurrent tracheo oesophageal fistula.
 9. Pouch colon.
 10. Gastric volvulus.
-

August 2009

[KV 049]

Sub. Code: 1702

MASTER OF CHIRURGIAE (M.Ch.) DEGREE EXAMINATIONS

(Higher Specialities)

Branch V – Paediatric Surgery

(Revised Regulations)

**Paper II – NEONATAL SURGERY AND PAEDIATRIC GENITO
URINARY SURGERY**

Q.P. Code: 181702

Time: Three hours

Maximum: 100 Marks

Answer ALL questions

Draw suitable diagrams wherever necessary.

I. Essays:

(2 x 20 = 40)

1. Discuss the etiopathogenesis, clinical features, diagnosis and management of a new born with necrotizing enterocolitis.
2. Discuss about post-natal management of antenatally detected hydronephrosis.

II. Write short notes on:

(10 x 6 = 60)

1. Sacrococcygeal teratoma.
2. Pathology and management of biliary atresia.
3. Ectopic ureters.
4. Hydrocephalus.
5. Congenital talipes equino varus.
6. Epispadias.
7. Genetics of hirschsprung's disease.
8. VATERCL Association.
9. Immediate management of anorectal malformation.
10. Obstructed mega-ureter.

February 2011

[KY 049]

Sub. Code: 1702

MASTER OF CHIRURGIAE (M.Ch.) DEGREE EXAMINATIONS

(Super Specialities)

Branch V – Paediatric Surgery

(Revised Regulations)

Common to all Candidates

**Paper II – NEONATAL SURGERY AND PAEDIATRIC GENITO
URINARY SURGERY**

Q.P. Code: 181702

Time: Three hours

Maximum: 100 Marks

Answer ALL questions

Draw suitable diagrams wherever necessary.

I. Essays:

(2 x 20 = 40)

1. Discuss the development of Biliary Tract. Discuss the Biochemical and Histological changes and the role of Imaging in Biliary Atresia.
2. Discuss the causes of Urinary Obstruction in a two-month-old female baby. Describe the Diagnosis and Management of this infant.

II. Write short notes on:

(10 x 6 = 60)

1. Pancrease Divisum and Annular Pancreas.
2. Vesico – Intestinal Fissure.
3. Neonatal Necrotizing Enterocolitis.
4. Female Hypospadias.
5. Congenital Mesoblastic Nephroma.
6. Torsion Testis.
7. Tracheomalacia.
8. Infantile Hypertrophic Pyloric Stenosis.
9. Meconium Peritonitis.
10. Antenatal Diagnosis of Hydronephrosis.

August 2011

[KZ 049]

Sub. Code: 1702

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

BRANCH V – PAEDIATRIC SURGERY

NEONATAL SURGERY AND PAEDIATRIC GENITO URINARY SURGERY

Q.P. Code: 181702

**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. Discuss short bowel syndrome under the following:
Pathophysiology adaptation, medical management and
Surgical management. | 11 | 35 | 15 |
| 2. Discuss Meconium ileus under the following:
Pathophysiology, pathological classification signs and
And symptoms and management. | 11 | 35 | 15 |

II. Write notes on :

- | | | | |
|--|---|----|---|
| 1. Causes of renal vein thrombosis in neonate and infancy. | 4 | 10 | 7 |
| 2. Causes of Vesico urethral reflux. | 4 | 10 | 7 |
| 3. Intestinal neuronal dysplasia. | 4 | 10 | 7 |
| 4. Consequences of inserting gastrointestinal segments into
Urinary tract for Augmentation or Diversion procedures. | 4 | 10 | 7 |
| 5. Horse Shoe Kidney. | 4 | 10 | 7 |
| 6. Tracheal and Bronchial Malacia. | 4 | 10 | 7 |
| 7. Male Pseudohermaphrodite. | 4 | 10 | 7 |
| 8. Embryology of urinary bladder and urethra development. | 4 | 10 | 7 |
| 9. Embryology of posterior urethral valve. | 4 | 10 | 7 |
| 10. Embryological theories for ureterocele development. | 4 | 10 | 7 |

[LB 049]

AUGUST 2012

Sub. Code: 1702

M.Ch – PAEDIATRIC SURGERY
Paper – II NEONATAL SURGERY AND PAEDIATRIC
GENITO URINARY SURGERY
Q.P. Code: 181702

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 Pierre Robin Anomalies under the following headings. i) Definition ii) Aetiology iii) Symptoms and signs iv) Treatment.	16	35	15
2. Discuss Prune Belly syndrome under the following headings i) Pathogenesis ii) Clinical features iii) Management.	16	35	15

II. Write notes on :

1. What are urachal remnants and describe the treatment for each?	4	10	7
2. Write about the pathological anatomy of congenital intrinsic obstruction of the antrum and pylorus of the stomach.	4	10	7
3. What are the theories postulated to explain intestinal atresia?	4	10	7
4. Write a short note on the stages of neonatal necrotizing enterocolitis.	4	10	7
5. Write about the treatment modalities available for urinary lithiasis.	4	10	7
6. What is the treatment for Renal vein thrombosis?	4	10	7
7. Write a short note on congenital ureteral anomalies causing urine out flow impairment.	4	10	7
8. Write a note on primary nocturnal enuresis.	4	10	7
9. Write a short note on masses presenting at the Introitus.	4	10	7
10. Write a brief note on obstructive mega ureter.	4	10	7

(LD 049)

AUGUST 2013

Sub. Code:1702

M.Ch. – PAEDIATRIC SURGERY
Paper – II NEONATAL SURGERY AND PAEDIATRIC GENITO
URINARY SURGERY
Q.P.Code: 181702

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. The embryology, classification, diagnosis, management and complications Jejunio ileal atresia.
2. The surgical anatomy, presentation, evaluation and management of Posterior Urethral Valves.

II. Write notes on:

(10X7=70)

1. Ureterocele.
2. Exomphalos.
3. Pierre Robin Syndrome.
4. Torticollis.
5. Ovarian Torsion.
6. Pathology of Wilms' Tumour.
7. Lymphomas.
8. Prophylactic antibiotics in UTI.
9. Palpable undescended testis.
10. Sequelae of Urinary Tract Infections.

M.Ch. – PAEDIATRIC SURGERY
Paper – II NEONATAL SURGERY AND PAEDIATRIC GENITO URINARY
SURGERY
Q.P.Code: 181702

Time: Three Hours

Maximum: 100 marks

I. Elaborate on:

(2X15=30)

1. Discuss Esophageal atresia and Tracheo-esophageal fistula under the following headings. i) Anatomic classification ii) Diagnosis and clinical findings and iii) Management of Long Gap Atresia.
2. Classify Germ cell tumours. Describe the presentation, investigations and management in a case of Sacrococcygeal teratoma.

II. Write notes on:

(10X7=70)

1. Fulguration of posterior urethral valve in a neonate.
2. Necrotising fasciitis.
3. Arnold Chiari malformation.
4. Prognostic factors in Diaphragmatic hernia.
5. Ectopic Ureter.
6. Choledochal cyst.
7. Hypospadias- embryology.
8. Acid base imbalance in female neonate with congenital adrenal hyperplasia.
9. Small left colon Syndrome.
10. Vitello intestinal duct.

M.Ch. – PAEDIATRIC SURGERY

**Paper II – NEONATAL SURGERY AND PAEDIATRIC GENITO
URINARY SURGERY**

Q.P.Code: 181702

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. What is Total Parenteral Nutrition (TPN)? Discuss the indications for TPN in pediatric surgical cases.
2. Describe development of duodenum. Discuss the pathophysiology and management of Duodenal obstructions.

II. Write notes on:

(10 x 7 = 70)

1. Hernia Uteri Inguinalis.
2. Tracheo- bronchomalacia.
3. Horse-shoe kidney.
4. Nesidioblastosis.
5. Beckwith- Wiedeman syndrome.
6. Arterio-venous malformation.
7. Lingual thyroid.
8. Barrett's esophagus.
9. OK 432.
10. n- myc gene.

(LJ 049)

AUGUST 2016

Sub. Code:1702

M.Ch. – PAEDIATRIC SURGERY

**Paper II – NEONATAL SURGERY AND PAEDIATRIC GENITO
URINARY SURGERY**

Q.P.Code: 181702

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the Aetiology, Clinical features and Management of Examphalos (Both Major and Minor) in a newborn baby.
2. Discuss PUV (Posterior Urethral Valves) with respect to Development of Urethra, Classification of valves, Pathological changes, Investigation and Surgical Management in a newborn.

II. Write notes on:

(10 x 7 = 70)

1. Infantile Hypertrophic Pyloric Stenosis.
2. Management of Hydrometrocolpos in a newborn.
3. Meconium Peritonitis.
4. Ectopic ureter.
5. Cystic Hygroma neck.
6. Penoscrotal Hypospadias.
7. Congenital lobar Emphysema.
8. Ureterocele.
9. Congenital Pouch colon.
10. Multi cystic dysplastic Kidney.

(LK 049)

FEBRUARY 2017

Sub. Code:1702

M.Ch. – PAEDIATRIC SURGERY

**Paper II – NEONATAL SURGERY AND PAEDIATRIC GENITO
URINARY SURGERY**

Q.P.Code: 181702

Time: Three Hours

Maximum: 100 Marks

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

1. Discuss the Etiopathogenesis, clinical features, diagnosis and Management of Primary Vesico Ureteric Reflux.
2. Discuss the antenatal diagnosis, management and postnatal handling in a case of Gastroschisis.

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

1. Achalasia cardia.
2. Pouch colon.
3. Cloaca.
4. Congenital lobar emphysema.
5. WAGR Syndrome.
6. Apple peel Atresia.
7. Liquid ventilation.
8. Cord blood sampling of foetus.
9. Congenital mesoblastic nephroma.
10. Torticollis.

(LM 049)

FEBRUARY 2018

Sub. Code:1702

M.Ch. – PAEDIATRIC SURGERY

**Paper II – NEONATAL SURGERY AND PAEDIATRIC GENITO
URINARY SURGERY**

Q.P.Code: 181702

Time: Three Hours

Maximum: 100 Marks

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

1. Discuss the Management of a neonate with Antenatally Diagnosed Pelviureteric Junction Obstruction.
2. Discuss the Neonatal Necrotizing Enterocolitis in the following heading Aetiology, Pathology, Clinical Features, Investigation and Surgical Management.

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

1. Tracheo Esophageal Fistula.
2. Vasico Ureteric Reflux.
3. Ectopic Anus in a female.
4. Consequences of inserting Gastrointestinal Segments into Urinary Tract for Augmentation / Diversion Procedures.
5. Duodenal Atresia.
6. Treatment Modalities available for Urinarylithiasis.
7. Gastroschisis.
8. Horse – Shoe Kidney.
9. Pierre – Robin Syndrome.
10. Bladder Exstrophy.

(LN 049)

AUGUST 2018

Sub. Code: 1702

M.Ch. – PAEDIATRIC SURGERY

**Paper II – NEONATAL SURGERY AND PAEDIATRIC GENITO
URINARY SURGERY**

Q.P.Code: 181702

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Abdominal wall defects of the newborn.
2. Assessment of a child with ambiguous genitalia.

II. Write notes on:

(10 x 7 = 70)

1. Duodenal atresia.
2. Single system ureteral ectopia.
3. Volvulus neonatorum.
4. Balanitis xerotica.
5. Hernia uteri inguinale.
6. Assessment of newborn with meningomyelocele.
7. Surgical approaches to pyeloplasty.
8. Neonatal solid tumours.
9. Intravenous fluid maintenance in newborns.
10. Complications of hypospadias repair.

(LO 049)

FEBRUARY 2019

Sub. Code: 1702

M.Ch. – PAEDIATRIC SURGERY

**Paper II – NEONATAL SURGERY AND PAEDIATRIC GENITO
URINARY SURGERY**

Q.P. Code: 181702

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the embryological explanation for malrotation and its clinical features and management.
2. Sacrococcygeal teratoma – embryology, clinical features, surgical management and prognostic factors.

II. Write notes on:

(10 x 7 = 70)

1. Congenital lobar emphysema.
2. Inspissated bile duct syndrome.
3. Neonatal jaundice.
4. Management of hydrometrocolpos in newborn.
5. Recurrent Urinary Tract Infections in children.
6. Urethral duplication.
7. VURD syndrome.
8. Bladder diverticulum.
9. Distal penile hypospadias.
10. DSD XY (Male pseudohermaphroditism)

(LP 049)

AUGUST 2019

Sub. Code: 1702

M.Ch. – PAEDIATRIC SURGERY

**Paper II – NEONATAL SURGERY AND PAEDIATRIC GENITO
URINARY SURGERY**

Q.P. Code: 181702

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Lympho vascular malformations and their management.
2. Assessment and management of newborn with anorectal malformation.

II. Write notes on:

(10 x 7 = 70)

1. Urinary ascites.
2. Management of nonpalpable Undescended testis.
3. Mixed gonadal dysgenesis.
4. Development of diaphragm.
5. Persistent mullerian duct.
6. Cystic hygroma.
7. Fetus in fetu.
8. Colonic atresia.
9. Cleft Palate.
10. Neonatal chylous ascites.

(LR 049)

**NOVEMBER 2020
(AUGUST 2020 SESSION)**

Sub. Code: 1702

M.Ch. – PAEDIATRIC SURGERY

**Paper II – NEONATAL SURGERY AND PAEDIATRIC GENITO
URINARY SURGERY**

Q.P. Code: 181702

Time: Three Hours

Maximum: 100 Marks

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

1. Discuss the pathoembryology , clinical features management of small bowel atresia.
2. Discuss the pathoembryology of exstrophy bladder and management

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

1. Dysfunction elimination syndrome
2. Ovotesticular DSD
3. Ureterocele
4. Rectal atresia
5. Megacystis microcolon hyperperistaltic syndrome
6. Vestibular fistula
7. Epignathus
8. Complicated meconium ileus
9. GERD – surgical treatment
10. Immunosuppressives in pediatric renal transplant

(MCH 0821)

AUGUST 2021

Sub. Code: 1702

M.Ch. – PAEDIATRIC SURGERY

**Paper II – NEONATAL SURGERY AND PAEDIATRIC GENITO
URINARY SURGERY**

Q.P. Code: 181702

Time: Three Hours

Maximum: 100 Marks

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

1. Discuss pathoembryology, classification, features, management of conjoint twins.
2. Discuss aetiology, pathology, features ,management of urolithiasis in children.

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

1. Neonatal gastric outlet obstruction.
2. Annular pancreas.
3. Total intestinal atresia.
4. Ectopic testis.
5. Persistent hyperinsulinemic hypoglycaemia infancy.
6. Sirolimus.
7. Feminising genitoplasty.
8. Malignant parotid tumors in children.
9. Temperature regulation in newborn.
10. Extrophy variants.

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

(MCH 0822)

AUGUST 2022

Sub. Code: 1702

M.Ch. – PAEDIATRIC SURGERY

**Paper II – NEONATAL SURGERY AND PAEDIATRIC GENITO
URINARY SURGERY**

Q.P. Code: 181702

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Cystic diseases of the lung with emphasis on antenatal and postnatal management of CPAM.
2. Evaluation and management of high grade primary vesicoureteric reflux in an infant and its long term follow up.

II. Write notes on:

(10 x 7 = 70)

1. Pierre Robin Sequence.
2. Perinatal management of antenatally detected neck mass.
3. Congenital Mesoblastic Nephroma.
4. Sacral Ratio.
5. Biliary Hypoplasia.
6. Neonatal Hyperparathyroidism.
7. Valve bladder.
8. Horse shoe kidney.
9. Renal injuries and their management.
10. MRKH syndrome.

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

(MCH 0124)

JANUARY 2024

Sub. Code: 1702

M.Ch. – PAEDIATRIC SURGERY

PAPER II – NEONATAL SURGERY AND PAEDIATRIC GENITO URINARY SURGERY

Q.P. Code: 181702

Time: Three Hours

Maximum: 100 Marks

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

1. Assessment and Management of Antenatal diagnosed Pelvicaliectasis.
2. Classify the cystic diseases of the kidney in children. Describe the differentiating features of these conditions both clinically and on investigations. Discuss the management of Multi Cystic Kidney Disease.

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

1. Pyloric Atresia.
2. Congenital Mesoblastic Nephroma.
3. Amniotic Bands.
4. Foetus in Foetu.
5. Rhabdomyosarcoma of Urinary Bladder.
6. Nephron Sparing Surgery in Wilm's Tumor.
7. Vestibular Fistulas.
8. Neonatal Hyperparathyroidism.
9. Hydrops fetalis.
10. Vaginoplasty.

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

(MCH 0225)

FEBRUARY 2025

Sub. Code: 1702

M.Ch. BRANCH V – PAEDIATRIC SURGERY

PAPER II – NEONATAL SURGERY AND PAEDIATRIC GENITO URINARY SURGERY

Q.P. Code: 181702

Time: Three Hours

Maximum: 100 Marks

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

1. Elaborate on the management of a case of antenatally diagnosed SCT.
2. What is Dupleix of the kidneys? Elaborate on the embryology, types of dupleix its association and the management.

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

1. Duodenal duplication.
2. Ureterocoele Classification and management.
3. Aphallia.
4. Spleen in Biliary atresia.
5. Annular pancreas.
6. Transverse testicular ectopia.
7. Cleft lip.
8. Transverse vaginal septum.
9. Turner's syndrome.
10. Mesocolic hernia.
