

PAEDIATRIC SURGERY

PAPER-III

Time: 3 hours
Max. Marks:100

PED.SURG 2/D/19/29/III

Important Instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1. a) Discuss embryology and long term management of a newborn diagnosed with multicystic dysplastic kidney. What is the incidence of vesicoureteric reflux in the same or contralateral side? 5+2+3
b) Briefly discuss surgical management of uretero-pelvic junction obstruction in a duplex kidney.
c) Management of aberrant renal vessel causing uretero-pelvic junction obstruction.
2. a) Discuss embryology, radiographic findings and management of retrocaval ureter. 4+4+2
b) Discuss presentation and management of ectopic ureter in girls.
c) Discuss likely course after fulguration of ureterocele.
3. a) What is the relationship between urinary tract infection and vesicoureteral reflux? 4+2+4
b) Enumerate secondary causes of vesicoureteral reflux in boys and girls.
c) Discuss general guidelines in conservative management of vesicoureteral reflux.
4. a) What are the recent advances in our understanding of nocturnal enuresis? 3+3+4
b) Discuss diagnosis and treatment of bladder instability.
c) Discuss the evaluation and management of newborn with meningomyelocele and neurogenic bladder.
5. a) Discuss advantages and disadvantages of laparoscopic transperitoneal versus retroperitoneal pyeloplasty. 4+3+3
b) What are the distinctive advantages of robotic surgery over laparoscopic surgery in pediatric urology?
c) What is Fowler Stephens procedure?

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6. a) Role of minimally invasive imaging in management of liver neoplasms. 3+2+3+2
b) Discuss recommended tests for detection of primary and metastatic sites in neuroblastoma.
c) Discuss paraneoplastic syndromes in neuroblastoma.
d) What is N-myc amplification?
7. a) What are the results of PLUTO trial? 3+2+2+3
b) What are the perceived benefits of fetal closure of meningocele?
c) What is twin to twin transfusion syndrome?
d) Fetal parameters used for prognostication in congenital diaphragmatic hernia.
8. a) Tissues used to create urethral tube in proximal hypospadias. 4+3+3
b) What are the complications of fetal surgery and how can they be reduced?
c) Discuss recent advances in the understanding of neonatal necrotizing enterocolitis.
9. a) Discuss non-operative management of intussusception. 4+3+3
b) What are the management principles in a child with recurrent intussusception?
c) What is the role of staplers in pediatric surgery including laparoscopic surgery?
10. a) What are the steps of extended porto-enterostomy? 4+3+3
b) Principles of selection of liver donor.
c) What is the current status of small intestinal and lung transplantation?
