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# PAEDIATRIC SURGERY(PART-II/FINAL) PAPER-III

Time: 3 hours PEDSURG2/J/20/29/III

Max. Marks:100

**JUNE 2020** 

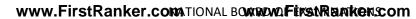
#### **Important Instructions:**

- 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)	Principles, methodology, interpretation and drawbacks of Diuretic renal scintigraphy.	6+4
	b)	Principles of "Top Down" approach in evaluation of a child with recurrent UTI.	
2.	,	3D printing and its applications.  Nanotechnology applications in medicine.	3+3+4
		Limitations of Robotic surgery in Paediatric surgery.	
3.		Use of Botulinum toxin in bowel and bladder pathologies. Role of pre-operative hormone therapy in hypospadias repair.	3+3+4
		Current role of hormonal therapy in boys with undescended testis.	
4.		What are the causes of portal hypertension in children? What are the indications for surgery in cases of portal hypertension in	2+3+5
	·	children?	
	c)	Different types of non-shunt and shunt operation for children with portal hypertension.	
5.		Fetal circulation schematically.	2+4+4
	,	Methods used to assess fetal anomaly.  Enumerate the fetal problems amenable to surgical correction before	
	C)	birth.	
6.	a)	What changes in bladder dynamics are expected in a patient with lumbosacral neural tube defects?	3+2+3+2
		What is "hostile bladder dynamics"?	
	c)	When are investigations done post meningomyelocele repair to assess bladder dynamics, and why?	
	d)	What is the ultimate aim in treating bladder dysfunction in a child with neuropathic bladder?	

P.T.O



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#### PAPER-III

- 7. An otherwise healthy new born is brought to you with right side complete 2+2+3+3 cleft of lip, alveolus and palate:
  - a) How should the parents be counselled?
  - b) What are the present day guidelines as when to correct these deformities?
  - c) What are the goals for primary repair of cleft palate? What is the acceptable fistula rate following primary repair of palate?
  - d) What is Velo Pharyngeal Insufficiency (VPI), its effects and brief outline of management?
- 8. a) Indications of bladder augmentation in children.

2+4+4

- b) Merits and demerits of different segments of bowel/ tissues used for bladder augmentation.
- c) Short term and long term complications of bladder augmentation in children.
- 9. a) Different energy sources used in modern surgery highlighting their advantages and disadvantages.

6+4

- b) What are the uses of laser in pediatric surgery?
- 10. a) Classify congenital cystic malformations of lung.

2+3+5

- b) Antenatal diagnosis and prognostic factors for congenital cystic malformations of lung.
- c) Briefly outline their management.