

PAEDIATRIC SURGERY

PAPER-II

PEDSURG/J/18/29/II

Time: 3 hours

Max. Marks:100

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) Describe the presentation and clinical features in a case of thyroglossal cyst.   | 4+4+2         |
|    | b) Outline the evaluation and operative management of a thyroglossal cyst.   |               |
|    | c) Describe the epithelial lining of thyroglossal cysts.   |               |
| 2. | a) Discuss the presentation and diagnosis of a newborn with duodenal atresia.  | 3+4+3         |
|    | b) Outline principles of operative management of duodenal atresia.   |               |
|    | c) Enumerate the common malformations associated with duodenal atresia/ stenosis.  |               |
| 3. | a) Describe the Todani's classification of choledochal cyst.   | 3+4+3         |
|    | b) Outline the surgical management of Type I choledochal cyst.   |               |
|    | c) Advantages and disadvantages of cyst excision with a hepaticoducho- duodenostomy as against cyst excision with a Roux-en- Y hepaticoduchojejunostomy. |               |
| 4. | a) Diagnosis of Hirschsprung's disease.  | 3+3+4         |
|    | b) Describe the principles of single-stage transanal pull- through for Hirschsprung's disease.   |               |
|    | c) Discuss the role of laparoscopy as an adjunct for transanal pull- through for Hirschsprung's disease.   |               |
| 5. | a) What is 'persistent cloaca'?  | 3+7           |
|    | b) Discuss the presentation, evaluation, and surgical management of a newborn girl with persistent cloaca.   |               |
| 6. | a) What is 'Congenital Lobar Emphysema' (CLE)?   | 2+2+3+3       |
|    | b) Incidence of involvement of various lobes of the lung in CLE.   |               |
|    | c) Presentation and diagnosis of CLE.  |               |
|    | d) Principles of surgical management of CLE.   |               |
|    |  | <b>P.T.O.</b> |
| 7. | a) Define the 'Budd- Chiari' syndrome and enumerate the  | 4+2+4         |

- causes of this syndrome in childhood.
- b) Classify Porto-systemic shunts
  - c) What are the principles of Transjugular Intrahepatic Portosystemic Shunts (TIPS) and outline briefly the indications for TIPS in the management of portal hypertension?
8.     a) Define sequestration of the lung. 2+3+5  
       b) Types of lung sequestration and their vascular supply.  
       c) Discuss presentation, evaluation and principles of surgical management of sequestrations of the lung.
9.     a) What is the incidence of pure esophageal atresia (EA)? 2+3+5  
       b) Presentation and diagnosis of pure EA.  
       c) Outline the various options for surgical management of pure EA.
10.    a) What is a Branchial sinus? 2+3+5  
       b) Embryology of Branchial sinus.  
       c) Presentation and principle of surgical management of Branchial sinus.

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