

PAEDIATRIC SURGERY

PAPER-I

PEDSURG/J/18/29/I

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:

- Describe fetal circulation. 3+3+4
 - Mention embryological stages of lung development.
 - Outline, briefly, the management of persistent pulmonary hypertension in a neonate with congenital diaphragmatic hernia.
- Define Brown fat. 2+4+4
 - Discuss the physiology of thermoregulation in new-borns.
 - What measures have to be taken to prevent and treat hypothermia in surgical neonates?
- What is Focussed Abdominal Sonography in Abdominal Trauma (FAST)? 3+3+4
 - Describe the grading of splenic trauma.
 - General principles of management of splenic trauma in childhood.
- What is the modified Shimada's pathologic classification of neuroblastic tumours? 4+2+4
 - What do you mean by opsoclonus-myoelonus?
 - Describe the recent advances in the evaluation and management of Stage IV Neuroblastoma.
- What are the histological subtypes of hepatoblastoma? 3+3+4
 - PRETEXT staging of hepatoblastoma.
 - Neoadjuvant chemotherapy for hepatoblastoma.
- Discuss briefly the embryogenesis of anorectal malformations. 5+2+3
 - Which is the form of anorectal anomaly usually associated with Down syndrome?
 - Enumerate the anorectal anomalies classified as 'rare' malformations under the Krickenberg classification.
- Describe factors associated with good prognosis of an infant with Biliary Atresia. 3+2+5
 - Enumerate the common indications for liver transplantation in the paediatric age group.
 - Describe the current status and recommendations for liver transplantation in cases of extrahepatic biliary atresia (EHBA).

P.T.O.

8. a) Classify teratomas. 2+2+3+3
b) What is Fetus in Fetu?
c) Describe the Altmann classification of sacrococcygeal teratomas.
d) Describe, briefly, the factors associated with poor prognosis in a child with sacrococcygeal teratoma.
9. a) What is the 'battered child' syndrome? 4+6
b) Describe the common injuries associated with the 'battered child' syndrome and outline the principles of management of this condition.
10. a) Enumerate the types of research studies. 3+7
b) Describe the principles and design of a randomized control trial (RCT) study.
