

PAEDIATRIC SURGERY - DIRECT 6 YEARS COURSE (PART - I)**PAPER-II**

Time: 3 hours

PED.SURG.1/D/20/30/II

Max. Marks:100

Important Instructions:

- You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.
- Answers to all the questions must be attempted within these 5 answer sheet booklets which must be later tagged together at the end of the exam.
- No additional supplementary answer sheet booklet will be provided.
- 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) Production, metabolism and excretion of bilirubin. 3+1+3+3
b) Define pathological jaundice.
c) Causes of pathological jaundice.
d) Evaluation of pathological jaundice.
2. a) Altman's classification of scroccoxygeal teratoma with incidence and characteristics of each type. 4+3+3
b) Prognostic factors for coccygeal teratoma.
c) Tumor markers for Germ cell tumors.
3. a) Differential diagnosis of malignant renal tumors of early infancy. 2+5+3
b) Risk stratification of Wilms' tumor in SIOP protocol.
c) Syndromic Wilms' tumor with a reference to oncogenes.
4. a) Pathogenesis of meconium ileus. 2+3+2+3
b) Confirmatory tests for meconium ileus in a neonate.
c) Long-term results of meconium ileus.
d) Imaging for abnormalities of rotation and fixation of gut.
5. a) Antenatal hydronephrosis. 3+4+3
b) Renal dynamic scan in diagnosing hydronephrosis due to pyelo-ureteric junction obstruction.
c) Caeco-ureterocele.
6. a) Pathogenesis of necrotizing enterocolitis of the newborn. 5+5
b) Metabolic abnormalities in an infant with repeated vomiting due to infantile hypertrophic pyloric stenosis with reference to paradoxical aciduria.
7. a) Extra-corporeal membrane oxygenation- definition, indications, pros and cons and techniques in the management of congenital diaphragmatic hernia. 5+5
b) Complications of transfusion of blood and blood products. P.T.O

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8. a) Development of diaphragm; supplement answer with diagram(s). 3+4+3
b) Beckwith Wiedemann Syndrome- definition, underlying genetic changes, and associated malignancies.
c) Hemopneumothorax.
9. a) Thermoregulation in newborn. 3+3+4
b) Aetiology and management of acute hyperkalemia in neonates.
c) Principles of management of hypovolemic shock.
10. a) Second branchial cleft anomalies. 3+4+3
b) Maintenance fluid and electrolyte requirements in a newborn.
c) Omphalomesenteric remnants.

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