

National Board of Examinations

Question Paper Name : DrNB Paediatric Surgery Paper1
Subject Name : DrNB Paediatric Surgery Paper1
Duration : 180
Total Marks : 100
Display Marks: No

Maximum Instruction Time : 0

Question Number : 1 Question Id : 32718740724 Consider As Subjective : Yes

Please write your answers in the answer booklet within the allotted pages as follows:-

Question Number	Answer to be attempted within	Question Number	Answer to be attempted within
Q. 1	Page 1-5	Q. 6	Page 26-30
Q. 2	Page 6-10	Q. 7	Page 31-35
Q. 3	Page 11-15	Q. 8	Page 36-40
Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. Regarding total parenteral nutrition in children, discuss:

- Indications. [2]
- Contraindications. [2]
- Routes. [2]
- Complications of total parental nutrition in children. [4]

Question Number : 2 Question Id : 32718740725 Consider As Subjective : Yes

- Enumerate the anatomical and physiological prognostic factors in a case of CDH. [5]
- Discuss goals and steps of pre-surgical stabilization of a neonate with diagnosed left CDH. [5]

Question Number : 3 Question Id : 32718740726 Consider As Subjective : Yes

- a) Describe the embryological timeline and phases of testicular descent. [5]
- b) Enumerate the different factors involved in each phase of descent. [5]

Question Number : 4 Question Id : 32718740727 Consider As Subjective : Yes

- a) Enumerate different agents that can be used for renal dynamic scans. [3]
- b) Mechanism of action of each agent. [4]
- c) Advantages and specific information provided by each agent. [3]

Question Number : 5 Question Id : 32718740728 Consider As Subjective : Yes

- a) Describe fetal circulation. [5]
- b) Enumerate the changes that occur at birth to enable independent life. [5]

Question Number : 6 Question Id : 32718740729 Consider As Subjective : Yes

- a) Metabolic changes associated with post obstructive diuresis in a neonate with posterior urethral valves and its management. [5]
- b) Step ladder protocol for treatment of posterior urethral valves. [5]

Question Number : 7 Question Id : 32718740730 Consider As Subjective : Yes

- a) Causes and management of post definitive surgery persistent constipation in an operated case of Hirschsprung's disease. [5]
- b) Hirschsprung's associated enterocolitis – predisposing factors and treatment. [5]

Question Number : 8 Question Id : 32718740731 Consider As Subjective : Yes

- a) What are the different grades of splenic injury? How is blunt trauma to the spleen in children managed? [4]
- b) What is standard 4-view FAST examination? [3]
- c) Prevention of OPSI (Overwhelming post splenectomy infection). [3]

Question Number : 9 Question Id : 32718740732 Consider As Subjective : Yes

- a) Describe the types of ECMO circuit. [5]
- b) Applications of ECMO in pediatric surgery. [5]

Question Number : 10 Question Id : 32718740733 Consider As Subjective : Yes

- a) Briefly outline the various types of research study types. [5]
- b) Advantages and disadvantages of randomised control trial over other study types. [5]