IMPORTANT INSTRUCTIONS
This question paper consists of 10 questions divided into Part 'A' and Part 'B', each part containing 5 questions.
- Answers to questions of Part 'A' and Part 'B' are to be strictly attempted in separate answer sheet(s) and the main + supplementary answer sheet(s) used for each part must be tagged separately.
- Answers to questions of Part 'A' attempted in answer sheet(s) of Part 'B' or vice versa shall not be evaluated.
- Answer sheet(s) of Part 'A' and Part 'B' are not to be tagged together.
- Part 'A' and Part 'B' should be mentioned only on the covering page of the respective answer sheet(s).
- 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.

PART A

1. Describe the development of the ductus arteriosus. Enumerate the duct dependent lesions in the newborn and outline their management. 3+(2+5)

2. A three days old neonate is brought to the Emergency with history of not accepting feeds for one day. He is found to be lethargic with a HR of 180/min, and capillary filling time of 4secs and cold extremities. Outline your approach to this neonate along with management of the case. 4+6

3. How is urinary tract infection diagnosed? Draw an algorithm for evaluation of a child after the first episode of UTI. Describe the utility of a DMSA scan. 2+5+3

4. Discuss the aetiology, pathogenesis, clinical presentation and management of a two months old child with chronic lung disease. 2+2+2+4

5. Write short notes on:
a) Human milk fortifiers 4+3+3
b) Vitamin-D Supplementation in neonates

   c) Medium chain triglycerides in neonatal nutrition