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

Write short notes on:

1. Give a diagrammatic representation of urea cycle. Indicate and name related disorders of urea cycle metabolism at each step. 10
2. a) Clinical signs and symptoms of refeeding syndrome. 7
   b) How will you manage such a case? 3

3. a) Mention the anatomical and functional factors responsible for obstructive sleep apnoea in children. 5
   b) How do you diagnose and treat this condition? (2+3)

4. Characteristic hematological features, laboratory findings and treatment of congenital hypoplastic anaemia (Diamond-Blackfan anaemia). 3+3+4

5. Pathophysiology, clinical manifestations and management of carbon monoxide poisoning. 3+3+4