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. What is Anion gap? Discuss the acid-base disturbance in metabolic acidosis. Enumerate the causes of increased anion gap and normal anion gap metabolic acidosis.  
   1+5+(2+2)

2. Utility of newer Neuro-imaging modalities in paediatric age group and their cost-effective benefits. 
   5+5

3. Pathophysiology and management of:
   a) Refractory shock.  
   5
   b) Intraventricular hemorrhage.  
   5

4. What is ‘Developmental delay’? Describe different tools used for screening and for diagnosis of developmental delay. 
   2+(4+4)

5. a) Serologic course of acute hepatitis B.  
   4+(3+3)
   b) Treatment strategies for acute and chronic hepatitis B.