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. Name the steps of morphogenesis of respiratory system. Enumerate congenital lung malformations. Describe natural course of congenital cystic adenomatoid malformation. 3+3+4

2. a) Female infanticide
   b) Cold chain 5

3. Define osmolarity. Discuss the mechanism of regulation of plasma osmolarity in the human body. 2+8

4. a) Karyotyping
   b) Child abuse 5

5. Why children are vulnerable to chemical pollutants? What are chemical pollutants in environment and their effects? What are hazards of environmental tobacco smoke in children? 3+4+3

P.T.O.