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. Grading, classification and natural history of vesicoureteric reflux. 3+3+4
2. Utility of blood gas studies (ABG) in localization of pathology and severity of disease in respiratory problems. 5+5
3. a) Enumerate the hormones secreted by anterior pituitary. 3+7
   b) Factors stimulating and inhibiting the secretion of growth hormone.
4. a) Define disorders of sex development (DSD) in new born. 2+6+2
   b) Nursery evaluation of a newborn with suspected DSD by history, physical examination and diagnostic tests.
   c) Issues in management of DSD.
5. a) Millennium Development Goals – 4 & 5. 4+3+3
   b) Swachh Bharat Abhiyan.
   c) Mission Indradhanush.

P.T.O.
Please read carefully the important instructions mentioned on Page ‘1’

- 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.
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PART B

6. a) Embryology and anatomy of pancreas. 3+3+4
   b) Physiology of exocrine pancreas.
   c) How would you assess the pancreatic functions?

7. a) Components of immune system. 4+3+3
   b) Difference between innate and acquired immunity.
   c) Role of T and B lymphocytes and the killer cells.

8. a) Fetal circulation. 4+3+3
   b) What are the changes after birth in fetal circulation?
   c) Pathophysiology of persistent fetal circulation.

9. a) Classification of childhood histiocytosis. 3+(3+4)
   b) Clinical features and management of a case of Langerhans cell histiocytosis.

10. a) Components of ethics in biomedical research. 4+3+3
    b) ‘P’- value and level of significance.
    c) Allocation concealment.

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