

PAEDIATRICS

PAPER – I

PED/J/15/31/I

Time : 3 hours
Max. Marks : 100

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.

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Please read carefully the important instructions mentioned on Page '1'

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- *Answers to questions of Part 'A' attempted in answer sheet(s) of Part 'B' or vice versa shall not be evaluated.*

PART B

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|-----|---|---------|
| 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. | |
