

PAEDIATRICS

PAPER-I

TIME: 3 HOURS
MAX. MARKS: 100

PED/J/18/31/I

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 question(s) of Part A attempted in answer sheet(s) of part B or Vice versa shall not be evaluated.
- Answer sheets 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 sheets.
- 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.

Write short notes on:

PART A

- | | |
|----------------------------------------------------------------------------------------------------------------|-----|
| 1. a) Mechanism of action of valproate as an anti-epileptic drug. | 4+6 |
| b) Mechanisms of supraventricular tachycardia and mode of action of adenosine in supraventricular tachycardia. | |
| 2. a) What are the usual patterns in haemoglobin electrophoresis in beta thalassemia syndromes? | 4+6 |
| b) Describe oxygen dissociation curve and factors affecting it. | |
| 3. a) Neural tube defects. | 5+5 |
| b) What is the pathogenesis of oedema in nephrotic syndrome? | |
| 4. a) Fetal circulation and changes at birth. | 4+6 |
| b) Pulmonary function tests in childhood asthma | |
| 5. a) Draw pedigree chart for autosomal dominant inheritance pattern of non-consanguineous parents. | 5+5 |
| b) Describe briefly various types of renal nuclear scans. | |

PAEDIATRICS

PAPER-I

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 sheets and the main + supplementary answer sheets used for each part must be tagged separately.
- Answers to question(s) of Part A attempted in answer sheets of Part B or vice versa shall not be evaluated.

PART B

- | | | |
|-----|---------------------------------------------------------------------------------------------|-----|
| 6. | a) Measures of central tendency. | 5+5 |
| | b) Ethical principles when doing research on human. | |
| 7. | a) Mission Indradhanush. | 5+5 |
| | b) WHO Classification of community acquired pneumonia in children less than 5 years of age. | |
| 8. | a) Sustainable development goals relevant to children. | 4+6 |
| | b) Newborn screening is useful in which conditions and how it can be done. | |
| 9. | a) Prevention of iron deficiency anaemia in children under 5 years of age. | 5+5 |
| | b) Magnesium and phosphate in treatment of acute severe malnutrition. | |
| 10. | a) Components of structured abstract. | 4+6 |
| | b) Study designs | |
