

**PAEDIATRICS**  
**PAPER-IV**

TIME: 3 HOURS  
MAX. MARKS: 100

PED/J/19/31/IV

**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) Advances in treatment of hemophilia. 5+5  
b) Role of prebiotics and probiotics in pediatric practice.
2. a) Intra-uterine fetal therapy. 5+5  
b) Dry blood PCR for HIV/AIDS testing.
3. a) Technique of bone marrow aspiration and its indications. 5+5  
b) Liver transplantation: Indications and procedure.
4. a) Role of CB-NAAT (Cartridge based nucleic acid amplification test) in diagnosis of pediatric tuberculosis. 5+5  
b) Nitric oxide therapy for persistent pulmonary hypertension.
5. a) What is Human milk bank and enumerate its indications? 5+5  
b) Indications of Nasal high flow oxygen in neonates.

**P.T.O.**

**PAEDIATRICS**  
**PAPER-IV**

**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) Management of two-year-old child coming to Emergency room with severe respiratory distress. | 5+5 |
|     | b) Management of an eight-month old baby with diarrhea without dehydration.                    |     |
| 7.  | a) Immuno-modulator therapy in nephrotic syndrome.   | 5+5 |
|     | b) Combined vaccines.  |     |
| 8.  | a) Recent Neonatal Resuscitation (NRP) Guideline.  | 5+5 |
|     | b) Enumerate management in cerebral palsy.   |     |
| 9.  | a) Therapy and follow up of Kawasaki disease.  | 5+5 |
|     | b) Selective hypothermia for management of Hypoxic Ischemic Encephalopathy (HIE) in newborn.   |     |
| 10. | a) Enumerate the indications of platelet transfusion in pediatric practice.                    | 5+5 |
|     | b) Simulation: Newer medical teaching training technology.                                     |     |

\*\*\*\*\*