

PAEDIATRICS
PAPER-I

TIME: 3 HOURS
MAX. MARKS: 100

PED/J/20/31/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) Fetal circulation and changes after birth. b) Genetic counselling for Down Syndrome. | 5+5 |
| 2. | a) Ethics in biomedical research. b) Intraosseous infusions: Indications and complications. | 5+5 |
| 3. | a) Diagrammatic representation of urea cycle. b) Management of hyperammonemia. | 5+5 |
| 4. | a) Role of EEG in management of seizure disorders in children. b) Cytokine storm. | 5+5 |
| 5. | a) Forest Plot. b) Cochrane Review. | 5+5 |

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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) Mechanisms of antibiotic resistance. | 5+5 |
| | b) Vitamin D supplementation - Why, when, how? | |
| 7. | a) Enumerate and describe the scoring systems to evaluate severity of respiratory distress in new born. | 5+5 |
| | b) Outline the indications, setting and contraindications of CPAP in new born infants. | |
| 8. | a) Pathophysiology of Vitamin B ₁₂ and Folate deficiency. | 5+5 |
| | b) Role and function of platelets in physiology of haemostasis. | |
| 9. | Outline the basic principles of sleep hygiene for children and adolescents. | 5+5 |
| 10. | Enumerate the various functions of growth hormone and describe indications of growth hormone therapy. | 5+5 |
