

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. 5+5
b) Genetic counselling for Down Syndrome.
2. a) Ethics in biomedical research. 5+5
b) Intraosseous infusions: Indications and complications.
3. a) Diagrammatic representation of urea cycle. 5+5
b) Management of hyperammonemia.
4. a) Role of EEG in management of seizure disorders in children. 5+5
b) Cytokine storm.
5. a) Forest Plot. 5+5
b) Cochrane Review.

P.T.O

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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

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| 6. | a) Mechanisms of antibiotic resistance.
b) Vitamin D supplementation - Why, when, how? | 5+5 |
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| 7. | a) Enumerate and describe the scoring systems to evaluate severity of respiratory distress in new born.
b) Outline the indications, setting and contraindications of CPAP in new born infants. | 5+5 |
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| 8. | a) Pathophysiology of Vitamin B ₁₂ and Folate deficiency.
b) Role and function of platelets in physiology of haemostasis. | 5+5 |
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| 9. | Outline the basic principles of sleep hygiene for children and adolescents. | 5+5 |
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| 10. | Enumerate the various functions of growth hormone and describe indications of growth hormone therapy. | 5+5 |
