

PAEDIATRICS

PAPER-I

TIME: 3 HOURS

PED/D/20/31/I

MAX. MARKS: 100

IMPORTANT INSTRUCTIONS

- You are provided with 5 answer sheet booklets. Each individual answer sheet booklet consists of 10 pages excluding the covering jackets.
- This question paper consists of 10 short note questions. Question paper is divided into 5 Parts - A, B, C, D and E, each part containing 2 questions.
- Answers to questions of part A, part B, part C, part D & part E are to be strictly attempted in a separate answer sheet booklet which must be later tagged together at the end of the exam.
- No additional supplementary answer sheet booklet will be provided.
- Answers to question(s) attempted on an answer sheet booklet for a different part will not be evaluated.
- Part A/Part B /Part C/Part D/Part E should be mentioned on the covering page of the respective answer sheet booklet.
- 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.

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PART- A

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Write short notes on:

PART- A

1. a) Fetal circulation with diagrammatic illustration and changes after birth. 5 + 5
b) Ductus dependent congenital heart diseases.
2. Discuss the role of the following in health and diseases: 3+4+3
a) Copper.
b) Zinc.
c) Magnesium.

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PART- B

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Write short notes on:

PART- B

3. a) Describe the evolutionary development of the hemoglobin's from embryo to adult. 5+5
b) Describe the relationship among the various hemoglobin's in first year of life and their implication in diagnosing hereditary hemoglobinopathies.
4. a) Illustrate the pathophysiology of R-L shunt. 5+5
b) Lesions of facial nerve at different levels.

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PART- C

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Write short notes on:

PART- C

5. a) Development of diaphragm, trachea and esophagus and types of TOF with diagrams. 4+6
b) Briefly describe the important attributes of various patterns of genetic inheritance.
6. List the various study designs for biomedical research with one suitable example for each. 10

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PART- D

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Write short notes on:

PART- D

7. a) Briefly describe the indicators of child health. 6+4
b) List the major programmatic interventions to reduce the IMR.
8. a) Chi Square test (illustrate with an example a setting where it should be used). 5+5
b) Quality Improvement Initiatives in healthcare (illustrate with an example).

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PART- E

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Write short notes on:

PART- E

9. Discuss salient features of management of children with tuberculosis as per National Tuberculosis Elimination Programme (NTEP). 10
10. a) What is child labour and discuss the measures to control it in the society? 5+5
b) How will you handle the Cyber bullying in children?