

**PAEDIATRICS**

PAPER – IV

PED/J/13/31/IV

Time : 3 hours

Max. Marks : 100

**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 questions of Part 'A' attempted in answer sheet(s) of Part 'B' or vice versa shall not be evaluated.
- Answer sheet(s) 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 sheet(s).
- Attempt all questions in order.
- Each question carries 10 marks.

**PART A**

1. Enumerate the factors associated with prematurity and low birth weight. Discuss the potential pathways by which infection plays a role in premature delivery. 4+6
2. Discuss the recent changes in guidelines for resuscitation of new born and older children with the rationale for the change. 10
3. Discuss the pathophysiology of septic shock. Describe the International consensus definition for pediatric sepsis. 5+5
4. Outline the Duke criteria for diagnosis of bacterial endocarditis. Discuss its application in clinical setting. 6+4
5. Enumerate classic and non-classic forms of genetic inheritance. Discuss in brief the characteristics of autosomal recessive inheritance. Illustrate with a pedigree chart. 5+3+2

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