

QP Code:104111

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Paediatrics  
(MD) June 2020**

**Paper IV – Recent Advances in Paediatrics**

**Time: 3 hrs**

**Max marks:100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay: (20)**

1. Discuss the respiratory support devices with recent advances in invasive and non-invasive ventilation in children (10+5+5)

**Short essays: (8x10=80)**

2. Role of tandem mass spectrometry in a child with metabolic disorder
3. Discuss hematopoietic stem cell therapy
4. Various interventions for the foetus including Extra uterine Intrapartum Therapy- 'EXIT'
5. Current neuroimaging techniques
6. Discuss the revised BFHI 2018 strategies and the 'MAA programme'
7. Epigenetic mechanisms and clinical implications
8. Sepsis investigation and sepsis care bundle
9. Classify channelopathies and discuss the related clinical conditions

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