

QP Code: 101111

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Paediatrics  
(MD) January 2025**

**Paper I – Basic Science Applied to 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. Describe thyroid hormonogenesis. Discuss the thyroid function tests in detail.

**Short Essays:**

**(8x10=80)**

2. Principles of development. add a note on Trivandrum development scale.

3. Write a note on foetal circulation.

4. Write a note on vital health statistics. Write special reference to child health.

5. List the various patterns of inheritance. Explain x-linked inheritance with an example.

6. Laboratory diagnosis of viral diseases.

7. Write a note on metabolic acidosis.

8. Dimercapto succinic acid (DMSA) scan.

9. Vaccine transport and vaccine vial monitor.

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