

**QP Code:102102**

**Reg. No.:.....**

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

**Paper II – Embryology, Genetics, Histology, Anatomical Techniques**

**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 the development of the respiratory system. Add a note on the congenital anomalies associated with it.

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

2. Describe the 2<sup>nd</sup> week of development.
3. Describe the development of the kidney.
4. Describe the microstructure of the pituitary gland.
5. Compare and contrast the microstructure of the lymphoid organs.
6. Describe the genetic basis, salient clinical features, and diagnosis of Down syndrome.
7. Describe the indications, process, and adverse effects of Gene therapy.
8. Describe the alternate cadaver embalming techniques.
9. Describe the preparation and preservation of museum specimens.

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