

**QP Code:104114**

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

**PG Degree Regular/Supplementary Examinations in Physiology  
(MD) July 2023**

**Paper IV - Applied Physiology Including Recent Advances**

**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 rapid compensatory mechanisms of hypovolemic shock. Add a note on neurogenic shock

**Short essays:**

**(8x10=80)**

2. Pathophysiology of Myasthenia Gravis
3. Megaloblastic anaemia
4. Decompression sickness
5. Genomics
6. Aberrant sexual differentiation
7. Modern theories of ageing
8. Brown Sequard syndrome
9. Thalamic syndrome

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