

QP Code:104114

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Physiology
(MD) June 2024**

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. Physiological principles underlying rejection of transplants.

Short essays:

(8x10=80)

2. Calmodulin and its junctional importance.
3. Amnesia.
4. Deep brain stimulation.
5. Hydrostatic pressure measurement and physiological significance.
6. Lysosomes – types, functioning, and lysosomal storage disease.
7. Poiseuille – Hagen formula.
8. Sleep apnea.
9. Role of calcium as second messenger system.
