

PG Degree Supplementary Examinations in Physiology (MD)
July 2025

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 pathophysiology and ECG Changes of Myocardial Infarction.

Short essays:

(8x10=80)

2. Hemiplegia.
3. Respiratory burst in phagocytosis.
4. Ion channels.
5. Local Gastrointestinal Hormones.
6. Intravenous fluids in hypovolemic shock.
7. Artificial kidney.
8. Synaptic Plasticity.
9. Addiction centers in brain.
