

QP Code:104114

Reg. No.:.....

**PG Degree Supplementary Examinations in Physiology (MD)
October 2019**

Paper IV - Applied Physiology Including Recent Advances

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay:

(20)

1. Discuss the recent advances regarding vitamin D in health and disease

Short essays:

(8x10=80)

2. PET
3. Deep brain stimulation
4. Physical principles governing flow of air in lung
5. Management of pain on the basis of strong physiological principles
6. Neural plasticity
7. Human genome project
8. Anandamide
9. Circadian rhythm and their control
