

QP Code:103114

Reg. No.:.....

**PG Degree Supplementary Examinations in Physiology (MD)
October 2018**

Paper III - Physiological Chemistry, Biophysics and Radiation Biology

Time: 3 hrs

Max marks:100

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

Essay:

(20)

1. Discuss the mechanisms of exchange of fluids between blood, interstitial fluid and the capillaries.

Short essays:

(8x10=80)

2. Resting membrane potential in a neuron.
3. Describe the mechanism of active transport in the body giving examples.
4. Hazards of radiation
5. Discuss the physiological application of law of Laplace.
6. End plate potential
7. Methods of measurement of cardiac output.
8. Aquaporins
9. Effect of increased barometric pressure
