

QP Code:103114

Reg.No.:.....

**PG Degree Supplementary Examinations in Physiology (MD) -
November 2016**

Paper III - Physiological Chemistry, Biophysics and Radiation Biology

Time: 3 hrs

Max marks:100

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

Essays: (20)

1. Discuss the factors affecting the flow of blood in the arterial system. Add a note on the influence of age on blood flow.

Short essays: (8x10=80)

2. Sound waves.
3. Therapeutic uses of repeated transcranial magnetic stimulation.
4. Health hazards of noise.
5. Gravity induced loss of consciousness.
6. Physical principles underlying thermal regulation.
7. Physiological basis of caisson's disease.
8. Axonal flow.
9. ATPases in cell function
