

Q.P.Code:302379

REG. No:.....

Final Year M.Sc Medical Physiology Degree Examinations, September 2013

Time: 3 hrs

Max. Marks:- 100

PAPER II

**Physiology of Respiration, Renal Physiology, Skin & Temperature Regulation,
Principles of Biophysics as Applied to Physiology**

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

Essay: (20)

1. Discuss how alveolar air composition is maintained in terms of volume and pressure.

Short Essays: (8x10=80)

2. Mechanism of concentrated and dilute urine formation under different conditions.
3. Types of sweat glands and its functions.
4. Renal blood flow measurement and its regulation.
5. Compound action potential and nerve conduction velocity.
6. Adaptation mechanisms in extreme temperatures of cold and heat.
7. Periodic breathing.
8. Endocrine functions of kidney.
9. Foetal respiration
