

Q.P.Code:302379

REG. No:.....

**Final Year M.Sc Medical Physiology Degree Supplementary Examinations,
February 2015**

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. Explain the transportation of respiratory gases by blood in detail.

Short Essays:

(8x10=80)

2. Explain the mechanism and significance of glucose re-absorption at the renal tubule.
3. Explain the role of skin in body temperature regulation.
4. Pulmonary function tests.
5. Explain the nerve innervations of urinary bladder and explain micturition reflex.
6. Chemical regulation of respiration
7. Describe the peculiarities of renal circulation
8. Explain the role of diaphragm in breathing
9. Explain the principle of artificial kidney
