

Q.P.Code:302379

REG. No:.....

Final Year M.Sc Medical Physiology Degree Examinations, September 2016

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 about the mechanism of water reabsorption across renal tubules. Add a note on counter current system in kidneys.

Short Essays: (8x10=80)

2. Thermoregulatory responses activated by exposure to heat.
3. Mechanism of transport of substances across cell membrane.
4. Oxygen dissociation curve
5. Define GFR. Explain briefly about the factors affecting GFR.
6. Mechanism of breathing.
7. Chemical regulation of respiration.
8. Ventilation perfusion ratio and its significance.
9. Acidification of urine.
