

Q.P.Code:302379

REG. No:.....

Final Year M.Sc Medical Physiology Degree Examinations September 2017

Time: 3 hrs

Max. Marks:- 100

**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. Define hypoxia. Explain about the different types of hypoxia with examples. Add a note on artificial respiration.

Short Essays: (8x10=80)

2. Mechanism of sodium reabsorption across renal tubules
3. Role of hypothalamus in temperature regulation
4. Pressure changes seen during a normal respiratory cycle
5. Endocrine functions of kidney
6. Factors affecting the diffusion of gases across respiratory membrane
7. Micturition reflex
8. Describe how oxygen is transported in the blood from lungs to tissues, with the help of an oxygen hemoglobin dissociation curve (ODC). Explain the factors which shift the ODC to the right.
9. Acute mountain sickness.
