

Q.P.Code:302379

Reg. No:.....

**Final Year M.Sc Medical Physiology Degree Regular/Supplementary
Examinations August 2019**

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

Time: 3 hrs

Max. Marks: 100

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

Essay:

(20)

1. Describe mechanics of respiration and their assessment.

Short Essays:

(8x10=80)

2. Describe the inter-relationship between pressure, flow & resistance in vascular system
3. Thermo-regulating centers and their mechanisms of function
4. Tests to assess renal tubular functions
5. Classify hypoxias giving examples and symptoms of hypoxia
6. Juxta-glomerular apparatus
7. Explain renal threshold and tubular maxima with suitable examples
8. Types of sweat glands and their functions
9. Hormones acting on renal tubules and their role in urine formation.
