

Q.P.Code:302379

Reg. No:.....

**Final Year M.Sc Medical Physiology Degree Supplementary
Examinations February 2020**

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

Time: 3 hrs

Max. Marks: 100

- *Answer all questions to the point neatly and legibly*
- *Do not leave any blank pages between answers*
- *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together*
- *Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay:

(20)

1. Renal mechanisms involved in regulation of water.

Short Essays:

(8x10=80)

2. Juxta glomerular apparatus and the hormones produced by it.
3. Describe mechanism of action of diuretics with examples.
4. Timed vital capacity in obstructive and restrictive disorders with diagram
5. Neural control of bladder and importance of cystometrogram
6. Describe various functions of skin
7. Central regulation of respiration and hering breuer reflex
8. Define GFR and describe a method to measure the same.
9. Decompression sickness. Add a note on Nitrogen narcosis and how it can be prevented.
