

QP Code:102114

Reg.No.:.....

**PG Degree Supplementary Examinations in Physiology (MD) -
November 2017**

**Paper II - Systemic Physiology (Hematology, CVS, GIT, Respiratory System,
Renal Physiology)**

Time: 3 hrs

Max marks:100

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

Essays: (20)

1. Describe the physiological functions of gastro intestinal hormones.

Short essays: (8x10=80)

2. Explain glomerulo-tubular balance and tubulo- glomerular feed back.

3. Explain the mechanism of various diuretics that act on various regions of the renal tubules.

4. Explain the concept of ventilation perfusion ratio on alveolar gas concentration with the help of a diagram.

5. Describe the factors that affect the rate of gas diffusion across respiratory membrane.

6. Explain acute metabolic control of local blood flow.

7. Describe CNS ischaemic response and Cushing reaction.

8. White blood cells in immunodeficiency syndromes

9. Explain the role of vitamin K in clotting
