

QP Code:101504

Reg.No.:.....

**D.M. (Nephrology) Degree Regular/Supplementary Examinations
August 2021**

Paper I – Basic Sciences

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. Discuss in detail functions of loop of Henle and countercurrent mechanism.

Short essays:

(8x10=80)

2. Define strong ion difference and outline on its clinical application.
3. Explain the mechanism of 'Aldosterone escape'
4. Enumerate urinary acidification mechanisms.
5. TTKG (Trans tubular potassium gradient).
6. Slit diaphragm.
7. Anion gap.
8. Clinical significance of urinary casts.
9. Diuretic braking phenomenon
