

QP Code:101504

Reg. No.:.....

D.M. (Nephrology) Degree Supplementary Examinations October 2025

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. Mechanisms of renal acidification and evaluation of renal tubular acidosis

Short essays: (8x10=80)

2. Cystatin C
3. Tubuloglomerular feedback
4. Structure and function of Podocytes
5. Different groups of diuretic agents and their mechanism of action
6. Phosphorous homeostasis
7. Genetics of Nephrotic Syndrome
8. Aquaporins
9. Host defense mechanisms against Urinary Tract Infection
