

QP Code:101504

Reg.No.:.....

**D.M. (Nephrology) Degree Regular/Supplementary Examinations
September 2020**

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. Describe mechanisms of urinary acidification and briefly explain pathophysiology of type IV renal tubular acidosis

Short essays: (8x10=80)

2. Pathophysiology of hypercalcemia of malignancy
3. Role of kidney in pathogenesis of primary hypertension
4. Physiology of solute removal in continuous ambulatory peritoneal dialysis
5. Phosphatonins
6. Renal handling of magnesium
7. Pathology of HIV – associated nephropathy (HIVAN)
8. Importance of urinalysis in kidney diseases
9. Limitations of currently available eGFR (estimated glomerular filtration rate) equations
