

QP Code:101504

Reg. No.:.....

D.M. (Nephrology) Degree Supplementary Examinations June 2024

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. Classify diuretics according to their sites and mechanisms of action. Discuss the causes and management of diuretic resistance

Short essays:

(8x10=80)

2. Genetics of Alport's Syndrome
3. Urine anion gap and its clinical utility
4. Transforming growth factor beta - its role in renal disease
5. Aquaporins
6. Give physiology of bladder filling and emptying. Describe neurogenic bladder
7. Renal embryogenesis
8. Uric acid handling by kidney
9. Counter current exchange system
