

PAPER CODE: 6021

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WARANGAL, TELANGANA STATE – 506 002
D.M. /M.CH. DEGREE EXAMINATION: DECEMBER, 2025
NEPHROLOGY
PAPER – I
(BASIC SCIENCES)

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Write an essay on the following:

2 X 30 = 60

1. (a) Describe the Goldblatt animal model of renal artery stenosis.
(b) Enumerate the changes observed on renal artery color doppler in presence of renal artery stenosis.
(c) Discuss medical therapy versus endovascular therapy in hypertensive patients with renal artery stenosis.
2. (a) Define Anion Gap. Comment on common causes of high anion gap metabolic acidosis.
(b) Elaborate renal acidification.
(c) Detail benefits of bicarbonate therapy in chronic kidney disease.

Write a short note on the following:

4 X 10 = 40

3. Describe Furosemide stress test and its utility in Acute Kidney Injury.
4. Discuss complement cascade and comment on hypocomplementemia in glomerular disease.
5. Describe Tubulo-glomerular feedback and its clinical implications.
6. Discuss Inhibitors of Stone Formation.
