

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[DM 0822]

AUGUST 2022

Sub. Code :1201

D.M. – NEPHROLOGY

Paper I – NEPHROLOGY – BASIC SCIENCES

Q.P. Code: 161201

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Explain the various methods of assessment of GFR. Enumerate the various formulas to calculate the estimated GFR and discuss the disadvantage and advantage of each. Mention the KDIGO guidelines on assessment of GFR.
2. Renal physiological changes in pregnancy and evaluation of renal function during pregnancy.

II. Write notes on:

(10 x 7 = 70)

1. Renal autoregulation.
2. Nephrogenic diabetes insipidus.
3. Role of nuclear imaging in nephrology.
4. Complements and kidney.
5. Mechanism of renal acidification.
6. APOL-1 gene and kidney.
7. Defenses against hyponatremia.
8. Pathogenesis of dyslipidemia in nephrotic syndrome.
9. Inherited disorders of hypophosphatemia.
10. Renal failure indices.
