

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

[DM 0124]

JANUARY 2024

Sub. Code :1204

D.M. – NEPHROLOGY

PAPER IV – RECENT ADVANCES

Q.P.Code: 161204

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss the renal physiological changes and their implication in ageing.
2. Pathomechanism and management of acute kidney injury in COVID-19.

II. Write notes on:

(10 x 7 = 70)

1. Role of Hepcidin in Chronic Kidney disease.
2. Mention the mechanism of hypocalcaemia of Malignancy. Write a brief note on Parathormone related peptide.
3. Apol-1 gene risk alleles and kidney disease.
4. What is Sclerostin? What is its role in CKD MBD?
5. Immune check point inhibitor associated nephrotoxicity.
6. Management of Covid in Renal transplant recipient.
7. Acute Kidney Injury and chronic kidney disease are a continuum- Discuss
8. Epigenetics in Kidney diseases.
9. Recent advances in Pathophysiology and management of CKD MBD.
10. Discuss the putative pathophysiology and management strategies of CKDu (Chronic Kidney Disease of Undetermined etiology).
