

NEPHROLOGY

PAPER – I

Time : 3 hours
Max. Marks : 100

NEPH/D/10/20/1

Attempt all questions in order.
Each question carries 10 marks

Write short notes on:

1. Podocytes in health and disease.
2. Mechanism of cytolysis in ADPKD.
3. Megalin and Cubilin.
4. Pathogenesis of pre-eclampsia.
5. Status of new biomarkers in AKI.
6. Familial hypokalemic alkalosis syndrome.
7. Role of FGF 23 and Klotho in Ca/P balance in CKD.
8. Membrane attack complex.
9. Juxtaglomerular apparatus
10. Relevance and methods of testing Donor specific antibodies.

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PAPER – II

Time : 3 hours
Max. Marks : 100

NEPH/D/10/20/II

Attempt all questions in order.
Each question carries 10 marks

Write short notes on:

1. Definition and management of Myeloma kidney
2. Newer dialysis fluids for CAPD patients
3. Collapsing glomerulonephritis.
4. Induction therapies for renal transplant recipient.
5. Define scleroderma crisis and its management
6. Define catastrophic APLA syndrome and discuss its management
7. Discuss differential diagnosis in a patient with jaundice, fever and AKI
8. PCM in dialysis patients and its management.
9. How to prevent renal damage in CKD patient?
10. Slow low efficiency dialysis.

Protein Calorie Malnutrition

NEPHROLOGY

PAPER – III

Time : 3 hours
Max. Marks : 100

NEPH/D/10/20/III

Attempt all questions in order.
Each question carries 10 marks

Write short notes on:

1. CMV prophylaxis in a renal transplant recipient -current concepts.
2. Nephrogenic systemic fibrosis
3. Classification and management of cardio-renal syndrome.
4. Advantages and disadvantages of Mass screening of CKD.
5. Campath as induction agent.
6. Long acting ESAs
7. Treatment of ANCA associated vasculitides.
8. Evaluation of hydrothorax in CAPD patient.
9. Aquaporins and role of V₂R antagonist in treating hyponatremia.
10. Newer modalities in management of lupus nephritis.