

QP Code:

Reg.No.:.....

**D.M. (Nephrology) Degree Examinations
(Model Question Paper)**

Paper I – Basic Sciences

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:

(20)

1. Discuss magnesium handling and associated tubular disorders of the kidney

Short essays:

(8x10=80)

2. Cerebral salt wasting
3. Stewart approach in metabolic acidosis
4. Pathogenesis of ANCA vasculitis
5. TTKG
6. Glomerular basement membrane
7. Pathogenesis of diabetic nephropathy
8. Klotho
9. Prehypertension

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Paper II – Clinical Nephrology

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:

(20)

1. Discuss pathogenesis of preclampsia

Short essays:

(8x10=80)

2. Rituximab in renal disease
3. Hemoperfusion
4. Adequacy of hemodialysis
5. Cast nephropathy
6. Congenital nephrotic syndrome
7. HIVAN
8. Defence mechanisms in UTI
9. Sclerosing peritonitis

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Paper III – Clinical Nephrology

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:

(20)

1. Discuss renal replacement therapy in acute kidney injury

Short essays:

(8x10=80)

2. Scleroderma renal crisis
3. Potassium profiling in hemodialysis
4. Investigations in renal artery stenosis
5. Plasmapheresis in renal disease
6. Primary hyperoxaluria
7. Nodular glomerulopathy
8. Pathogenesis of membranous nephropathy
9. Medulary sponge kidney

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Paper IV – Recent Advances in Nephrology

Time: 3 hrs

Max marks:100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essays:

(20)

1. Discuss the protocol of desensitization in renal transplantation

Short essays:

(8x10=80)

2. C4 d staining in renal allograft
3. CMV prophylaxis in renal transplantation
4. Constimulatory blockade
5. Diagnosis of BK virus infection
6. NODAT
7. Outcome of deceased donor transplant
8. Steroid free immunosuppression
9. Lymphocoele in renal transplant
