Rajiv Gandhi University of Health Sciences, Karnataka

D.M. Degree Examination – 23-Jan-2023

Time: Three Hours | Max. Marks: 100 Marks

NEPHROLOGY - PAPER –I

QP Code: 7271

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Discuss various methods to assess renal functions and their drawbacks
2. Describe in brief how kidney maintains acid-base homeostasis and clinical disorders related to defects in renal acidification
3. Laboratory assays for measurement of parathyroid hormone
4. Renal handling of uric acid
5. Role of RAAS in renal diseases
6. Factitious laboratory findings related to electrolytes
7. Role of FGF-23 and Klotho in chronic kidney disease
8. Renal physiological changes in pregnancy
9. Overview of kidney development
10. Phosphorus homeostasis

D.M. Degree Examination – 25-Jan-2023

Time: Three Hours | Max. Marks: 100 Marks

NEPHROLOGY - PAPER –II

QP Code: 7272

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Approach to and management of ANCA associated vasculitis
2. ‘Multi-targeted’ treatment for lupus nephritis
3. Discuss renal outcome of ‘Good pastures’ disease based on presenting creatinine.
4. Investigations and staging of patient discovered to have amyloid deposits
5. Classification of HUS / TTP and other TMA associated diseases
6. Mechanisms of calcium stone formation
7. Discuss AKI in setting of sepsis and various extracorporeal modalities.
8. Oxford classification of IgA Nephropathy and its clinical significance
9. Hepatorenal syndrome
10. Current concept in management of preeclampsia

* * * * *

Rajiv Gandhi University of Health Sciences, Karnataka

D.M Degree Examination – 27-Jan-2023

Time: Three Hours | Max. Marks: 100 Marks

NEPHROLOGY - PAPER –III
QP Code: 7273

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Discuss various Uraemic toxins
2. Water treatment for haemodialysis
3. Describe your approach towards a patient on CAPD who presents with abdominal pain and cloudy peritoneal fluid
4. Medical complications of living kidney donation with focus on pregnancy after kidney donation
5. Intradialytic hypertension
6. BK virus in renal transplantation: disease spectrum and management
7. Differential diagnosis and management of ‘creeping creatinine’ in late renal transplantation
8. Special considerations for renal transplantation in HIV
9. Post –Transplant Lymphoprofilerative Disorder
10. Peritoneal dialysis adequacy. Discuss various trials

D.M Degree Examination – 30-Jan-2023

Time: Three Hours | Max. Marks: 100 Marks

NEPHROLOGY - PAPER –IV
QP Code: 7274

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

ANSWER ALL THE QUESTIONS | 10 x 10 = 100 Marks

1. Discuss emerging treatment for amyloidosis.
2. Diagnosis of monoclonal gamapathy of clinical significance
3. Cardiovascular risk assessment in kidney transplant recipient
4. Autosomal dominant tubulointerstitial kidney disease – diagnosis, classification and management
5. Harnessing regulatory T cells for therapy
6. Role of bioimpedence and lung ultrasound in assessment of volume status in dialysis patients
7. Newer peritoneal dialysis solution
8. Renal transplantation across ABO barrier
9. Newer therapies in management of hyperkalemia
10. Renal effects of targeted anticancer therapies

Rajiv Gandhi University of Health Sciences, Karnataka

D.M. Degree Examination – 12-Dec-2023

Time: Three Hours | Max. Marks: 100 Marks

NEPHROLOGY - PAPER –I

QP Code: 7271

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Anatomy of Juxta glomerular apparatus
2. Syndrome of inappropriate A.D.H secretion
3. Role of complements in pathogenesis of glomerular disease
4. Discuss the significance of anion gap in metabolic acidosis.
5. Trade off hypothesis in CKD MBD
6. Describe histomorphologic types of FSGS.
7. Renal reserve and clinical significance
8. Renal handling of uric acid
9. Pathogenesis and approach to hypotonic polyuria
10. Diuretic resistance – definition, causes and treatment

* * * * *

D.M. Degree Examination – 14-Dec-2023

Time: Three Hours | Max. Marks: 100 Marks

NEPHROLOGY - PAPER –II

QP Code: 7272

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Asymptomatic significant bacteruria.
2. Eculizimab in atypical hemolytic uremic syndrome.
3. Pathogenesis of malaria acute kidney injury.
4. Resistant hypertension – definition and management.
5. Herbal drugs/plant toxins induced kidney injury.
6. Gitleman’s syndrome.
7. Physiology and renal haemodynamic changes in pregnancy.
8. Low protein diet in chronic kidney disease.
9. Scleroderma renal crisis.
10. Clinical manifestations of autosomal recessive polycystic kidney disease (ARPKD).

* * * * *

Rajiv Gandhi University of Health Sciences, Karnataka

D.M Degree Examination – 16-Dec-2023

Time: Three Hours | Max. Marks: 100 Marks

NEPHROLOGY - PAPER –III

QP Code: 7273

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

Answer All The Questions | 10 x 10 = 100 Marks

1. Vascular access recirculation in hemodialysis.
2. Accommodation in ABO incompatible renal transplantation.
3. Residual uremic syndrome.
4. Prevention of CAPD peritonitis.
5. Peritoneal preservation and longevity in CAPD.
6. Polyoma virus nephropathy in renal transplantation.
7. Virtual cross matching in kidney transplantation.
8. Steroid-free immunosuppression in renal transplantation.
9. Early versus late start renal replacement therapy in acute kidney injury.
10. Strategies to preserve residual renal function.

* * * * *

D.M Degree Examination – 18-Dec-2023

Time: Three Hours | Max. Marks: 100 Marks

NEPHROLOGY - PAPER –IV

QP Code: 7274

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

ANSWER ALL THE QUESTIONS | 10 x 10 = 100 Marks

1. IVIg in renal disease
2. Newer therapy for amyloidosis
3. Epigenetics in renal diseases
4. CNI avoidance protocol
5. Role of biocompatible solutions in continuous ambulatory peritoneal dialysis
6. Peginesatide
7. Structural and functional changes in the ageing kidney
8. Newer therapies in Diabetic kidney disease
9. SLED vs CRRT in ICU
10. SYMPHONY ELITE Trial

* * * * *