Rajiv Gandhi University of Health Sciences, Karnataka

D.M. Degree Examination – 18-Aug-2020

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 questions.

LONG ESSAY (These questions carry 10 marks each) **10 x 10 = 100 Marks**

1. Role of Nitric Oxide in Chronic Kidney disease
2. Renal autoregulation
3. Podocyte split diaphragm and podocytopathies
4. Innate immunity and renal transplantation
5. Rennin angiotensin system in pregnancy
6. Renal ammoniagenesis
7. Apoptosis in acute kidney injuries
8. Lymphatic of kidney and Chyluria
9. Approach to patient with symptomatic Hyponatremia
10. Host defence mechanism against urinary tract infection

D.M. Degree Examination – 20-Aug-2020

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 questions.

LONG ESSAY (These questions carry 10 marks each) **10 x 10 = 100 Marks**

1. Rhabdomyolysis and AKI : Pathogenesis and management
2. Role of kidney biopsy in Lupus nephritis
3. Growth failure in children with chronic kidney disease – pathophysiology and treatment
4. Pathophysiology and management of atheroembolic renal disease
5. Acute cortical necrosis – causes, pathophysiology and histologic types
6. Contrast induced nephropathy risk factors, course and recent concepts in management
7. Pathogenesis of C3 glomerulopathy
8. Genetics of Alport syndrome
9. IgG4 related interstitial nephritis
10. Non-diabetic kidney disease in diabetic patients

Rajiv Gandhi University of Health Sciences, Karnataka

D.M. Degree Examination - 24-Aug-2020

[Time: 3 Hours] [Max. Marks: 100]

NEPHROLOGY - PAPER-III

Q.P. CODE: 7273

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

LONG ESSAY (These questions carry 10 marks each) **10 X 10 = 100 Marks**

1. Seizures in dialysis patients – etiology, prevention and treatment
2. Cardio pulmonary recirculation
3. Dialysis solution preparation
4. Dialyzer reuse
5. Hemoperfusion
6. Immunologic monitoring in clinical renal transplantation
7. Long term post nephrectomy issues
8. Fungal infections in post transplant patients
9. Recurrent diseases after renal transplantation
10. Post kidney transplant bone disease

D.M Degree Examination – 26-Aug-2020

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 questions

LONG ESSAY (These questions carry 10 marks each) **10 x 10 = 100 Marks**

1. Recent concepts in pathogenesis of atypical hemolytic uremic syndrome
2. Discuss various modes of extra corporeal therapies in sepsis acute kidney injury.
3. Treatment of severe lupus nephritis. What is new in horizon?
4. Role of calcimimetics in treatment of secondary hyperparathyroidism
5. Controversies in steroid free renal transplantation
6. Acquired cystic kidney disease
7. Chimerism in renal transplantation
8. Stem cell therapy and its application in renal diseases
9. Belatacept in renal transplantation
10. Renal artery embolization indications – technical approach and outcome