Rajiv Gandhi University of Health Sciences

D.M Degree Examination – JULY 2017

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. Renal handling of uric acid
2. Diuretic resistance
3. Discuss embryogenesis of human kidney.
4. Nephrogenic diabetic insipidus
5. Discuss anatomical / physiological changes in urinary tract during pregnancy.
6. Role of mesangial cell in glomerular disease
7. Renal handling of sodium
8. Illustrate structure and function of glomerular flitration barrier and diseases associated with it.
9. Diagnostic utility of radioisotope scans in native renal parenchymal disease
10. Overflow proteinuria

D.M Degree Examination – JULY 2017

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. Describe in brief the role of complements in pathogenesis of renal diseases. Describe the differential diagnosis and management of various hypo complementemic renal diseases
2. What is the classification of bone mineral disorders in chronic kidney disease? Describe your approach towards a patient with end stage renal disease with vertebral fracture
3. Steroid resistant nephritic syndrome in children
4. Role of calcineurin inhibitors in renal diseases
5. Induction and maintenance immunosuppression in ANCA related vasculitis
6. Clinical course of post-infectious glomerulonephritis and indications for biopsy
7. In relation to urinary tract infections, define the following terms: asymptomatic bacteriuria, relapse, recurrence and persistent infection and their management
8. Approach to a patient with hypokalemia
9. Evaluation of asymptomatic haematuria
10. Reflux nephropathy diagnosis staging and management.

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D.M Degree Examination – JULY 2017

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 questions

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

1. Screening and management of post transplant recurrent FSGS
2. Uremic toxins
3. Pretransplant cardiac evaluation of a ESRD patient
4. Recurrent glomerulonephritis after renal transplantation
5. Newer therapies for Diabetic nephropathy
6. Fungal Peritonitis in CAPD
7. Measures for preservation of RRF in dialysis dependent patients
8. Newer PD solutions
9. Renal denervation in management of hypertension
10. Dialyser reuse

D.M Degree Examination – JULY 2017

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. C3 glomerulopathy
2. Extra corporeal therapy in multiple myeloma
3. Renal transplant in sensitized patient
4. Renal transplantation across ABO barrier
5. Effect of dietary intervention in prevention of prognosis of chronic kidney disease
6. Management of Hepatitis C infection post transplant
7. Newer peritoneal dialysis solutions
8. Glucocorticoid remediable hypertension
9. Vaptans in Nephrology
10. Role of Rituximab in maintenance therapy in ANCA associated vasculitis

Rajiv Gandhi University of Health Sciences

D.M Degree Examination – DEC 2017

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. Renal handling of uric acid
2. Anatomical and functional changes in ageing kidney
3. Development of the metanephros
4. Type IV RTA
5. Structure of peritoneal membrane -3 pore model
6. Malignancy associated hypercalcemia: pathogenesis and treatment
7. TGF β in renal disease
8. Aquaretics
9. Microvasculature of kidney
10. Renal response to nephron loss

D.M Degree Examination – DEC-2017

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. Discuss snake bite induced acute kidney injury.
2. Discuss hepatitis – C infection in hemodialysis patient.
3. Central venous catheter and its complications in hemodialysis patient.
4. Discuss the diagnosis and management of peritoneal dialysis related peritonitis.
5. Ultrafiltration failure in continuous ambulatory peritoneal dialysis.
6. Fibrillary glomerulonephritis
7. Discuss pathogenesis and management of Autosomal Dominant Polycystic Kidney Disease.
8. Management of steroid dependent frequent relapse nephrotic syndrome in children.
9. Management of Refractory Lupus Nephritis
10. Laproscopic donor nephrectomy

Rajiv Gandhi University of Health Sciences

D.M Degree Examination – DEC-2017

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 questions

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

1. Water purification for haemodialysis
2. Delayed graft function
3. New Banff classification
4. Salt sensitive hypertension
5. Dialysis adequacy determinants
6. Management of infected central venous catheter in HD
7. Belatacept
8. Ultrafiltration failure in CAPD patient
9. Transplant glomerulopathy
10. Co-current dialysis

D.M Degree Examination – Dec-2017

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. Urinary proteomics
2. Cell based therapies for treatment of kidney disease
3. Demographics of ESRD in Indian subcontinent
4. Pregnancy in a renal transplant recipient
5. Dengue fever-renal involvement
6. Animal models of pre eclampsia
7. Microchimerism
8. SHARP trail
9. Recurrence of primary kidney disease in children in post-transplant period
10. FGF-23 and Klotho in CKD